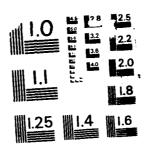
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# **OPERATING LOCATION - A USAFETAC**

Air Weather Service (MAC)



"LIMITED SURFACE OBSERVATIONS" CLIMATIC SUMMARY "LISOCS"

ARKHANGELSK USSR MSC #225500 E 040 30 ELEV 43 FT N 64 35

PARTS A - F HOURS SUMMARIZED: SYNOPTIC HRS

PERIOD OF RECORD: HOURLY OBSERVATIONS: OCT 77 - SEP 87 SUMMARY OF DAY DATA: DEC 58 - SEP 87

FEDERAL BUILDING

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#### REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-88/003 ARKHANGELSK USSR (LISOCS) Jan 1988 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

WALTER S. BURGMANN

Scientific and Technical Information Program Manager

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19Abstract: A statistical data summary of surface weather observation climatology: Arkhangelsk USSR. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

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Availability Codes

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#### LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: ARKHANGELSK USSP

STATION NUMBER: 225500

SUMMARIZED HOURS: SYNFOTIC 3-HOURLY

PERIOD OF RECORD

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HOURLY OPSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY GATA (TEMPERATURES ONLY): DEC 58 - SEP 87

SUMMARY OF DAY CATA (PART TIME): NONE



TIME CONVERSION LST TO GMT: -3

DATE PRODUCED: 30 DEC 87

ALL USERS OF THIS LISOCS MUST FAMILIARIZE THEMSELVES AITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

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LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES -- LISOCS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FORM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE DESCRIPTION OF SUMMARIES:

MANNER OF PRESENTATION.
HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-FOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, HE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-93-DD1, "AN AID FOR USING YME REVISED UNIFORM SUMMARY OF SURFACE MEATHER OBSERVATIONS" (RUSSNO).

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STATION PISTORY

PART A: WEATHER CONVITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: SEE SUPPLEMENTAL DATA SECTION BELOW

PART C: SURFACE WING SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART F: TEMPERATURE AND RELATIVE HUNIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION -- SUMMARY OF DAY DATA

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX (O THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAY OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,300 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS HAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SPEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO FOUR GROUPS.

TATION N	O OH SUMMARY	STATION NAME			TUDE	LONGITUDE	FIELD ELEV	(FT.) CALL	SIGN	WMO NUMPER		
22	5500	ARKHANGELSK USSR		N	64 35	E 040 30	43 Ft	UL/	14	22550		
		STATION LOCAT	ION A	ND I	NSTR	UMENT	<b>TATION</b>	HIST	ORY			
UMBER		GEOGRAPHICAL LOCATION & NAME	TYPE	AT THIS	LOCATION	LATITUDE	LONGITUDE	ELEVATIO	N ABOVE MSL	OBS PER		
OCATION			STATION	FROM	10	LAITION		FIELD (FT)	HT. BARO.	DAY		
١.	ARKHAN	GELSK, USSR	FGN	OCT 77	SEP 87	N 64 35	E 040 30	43 Ft	N/A	8		
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	·			AN PARMATIAN	<u> </u>		1	<u> </u>	<u> </u>	<u> </u>		
OF GATION	DATE OF CHANGE	LOCATION .	ND EGUIPMENT	TYPE OF TRANSMIT	TYPE OF		REMARKS, AD	DITIONAL EQUIF	MENT, OR RE	ASON FOR CHANGE		
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USAFETAC FORM NOV73 . O-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. CONTINUED ON REVERSE SIDE

MUMBER	DATE	SURFACE WIND EQUIPMENT IN				DEMARKS ADDITIONAL COLUMNAT OR DEACON FOR FLAMES			
IUMBER OF ^^4TION	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS. ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE			
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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

#### WEATHER CONDITIONS SUMMARY

- 1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION-
- 2. DATA BASED ON FOURLY ORSERVATIONS.
- 3. SUMMARIZED BY THE STANDARU 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND DR DRIZZLE FALLING TO THE GROUND BUT NOT FPEEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPOPTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF FRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG. ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMPINATION THEREOF.

PLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN PEPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, PLOWING SAND AND ANY COMMINATION THEREOF. THE ATMOSPHERIC PRENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/6 MILES 1100° METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF ORSTRUCTIONS TO VISION (FOU THRU DUST/SAND)
AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER ORSERVATION MAY OCCUR. THE SUM OF
THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

#### NOTES:

- 1. I VALUE IN THE TABLES OF ".C" INDICATES LESS THAN . USA OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
- 2. METAR STATIONS (REGINNING IN JAH 1969) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE ANS FORMS 10/10A AND TRANSMITTED LUNGLINE ONLY THE HIGHEST DADER OF ATMOSPHERIC PHENOMENA DESERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA DUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OPSERVATION CONTAINED RAIN, FOR AND SMOKE, ALL THREE WILL APPEAR ON THE ANS FORMS 17/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEPIOD OF RECORD: 78-87 MONTH: JAN

							HUNTE:	. JHIV			
HOURS (LST)	RAIN TSTMS 6/0R CRIZZLE	FRZING RAIN E/OR ORIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING Snow	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	• • • • • • • • •	47.5	•••••	47.9	13.4		. 3	•••••	13.8	305
C 3-05	٤. ا	•3	43.4		44 • 0	13.2		• 7		13.9	305
66-08	I		42.8		42 • 8	13.7		. 3		14.0	299
09-11	.7	.4	37.3		38 • 4	19.0	.4			19.4	279
12-14	1.0		46.5		47.5	18.2	• 3			18.5	297
15-17	l		40.0		40.0	15.7	• 3	• 3		16.4	305
18-20	I	.3	42.3		42.6	16.7		. 3		17.0	305
21-23	.3		46.7		47.1	15.0		• 3		15.4	306
TOTALS		•1	43.3		43.8	15.6	•1	. 3		16.1	2398

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87 MCNTH: FEU

FOURS (LST)	TSTMS	RAIN E/OR ORIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW E/OR SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/GBST TO VISION	TOTAL OBS	••
0C-02	1	. 7	•••••	41.2	• • • • • • •	42.0	13.1		*******	•••••	13.1	274	••
03-05	1	1.1		41.6		42.7	12.0				12.8	274	
06-08	1 .4	. 7		38.0		38 • 7	12.0				12.0	274	
07-11	Į	1.2		45.6		46.8	14.7	. 4			15.1	252	
12-14	F .	. 7		43.3	. 4	44 . 3	13.2	.4		.4	16.0	282	
15-17	1	• 7		33.2		33.9	1.00				13.0	277	
18-29	1	. 7	.4	32 • 2		33.0	13.9			.4	14.3	273	
21-23	1	. 7		38.7		39.4	11.7				11.7	274	
TOTALS	, .1	. 8	•1	39.2	• 1	40 - 1	13.3	• 1		•1	13.5	2180	ļ

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87 MONTH: MAR

HOURS   (LST)	RAIN 151MS &/OR Erizzle	FRZING SNOW RAIN E/OR E/OR SLEET DRIZZLE	2 085 PAIL WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE SNOW	DUST % OBS E/OR W/CBST SAND TO VISION	101AL 08S	
89-02	1.6	27•8	29 • 1	16.0	• 7	16.7	306	
03-05	1.3	25.0	26.3	16.4	. 3	16.8	304	
C6-08	• 7	28.0	28 • 6	23.C		23.0	304	
G9+11	1.1	28.1	29 • 1	20.9	.7	21.6	278	
12-14	2.0	27.1	28.7	17.8	1.7	19.5	303	
15-17	.3 1.6	22.4	23.7	12.2	1.6	13.8	304	
18-20	2.3	24.8	26.7	8.9	2.0	10.9	303	
21-23	3.0	22.7	25.3	15.5		15.5	304	
TOTALS	.0 1.7	25.7	27.2	16.3	•9	17.2	2406	

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

HOURS I	RAIN TSTMS &/OR CRIZZLE	FRZING SNOW RAIN G/OR G/OR SLEET DRIZZLE	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING PAZE SNOW	DUST % OBS C/OR W/CBST SAND TO VISION	TOTAL OBS	••
00-02	6.5	13.0	•••••	18.8	10.2	. 3	10.6	293	••
03-05	3.7	15.0		18.0	14.3	, 3	14.6	294	
06-08	٤.4	22.3		25.0	16.9		16.9	296	
09-11	4.1	19.9		23 • 6	13.7	• 7	14.4	271	
12-14	3.7	12.8		16.4	9.7	• 7	10.4	298	
15-17	5 • 8	10.8	. 3	16.9	4.4	1.0	5.4	295	
18-20	5.6	7.2		13.9	4.8	1.7	6.5	292	
21-23 i	5.4	11.9		16.9	7 . 1	. 7	7 . 8	295	
TOTALS 1	4.5	14.1	. 0	18.6	10.1	• 7	10.8	2334	

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY COSERVATIONS

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD	٥F	RECORD:	78-8

									MONTH: MAY				
•••••	+ours   (LST)	TSTHS	RAIN E/OR ERIZZLE	FRZING RAIN 6/OR DRIZZLE	SNOW E/OR SLEET	FAIL	* 085 With Precip	FoG	SMOKE E/OR BLOWING PAZE SNOW	DUST E/OR SAND	* 085 W/0851 TO VISION	TOTAL OBS	• • • •
•••••	60-02 l	••••••	7.5	•••••	4.3	• • • • • • •	11.8	7.5		•••••	7.5	305	• • • •
	ú3≃05		7.9		3.3		11 - 1	10.2	• 3		10.5	305	
	06-09		10.3		6,6		16 • 6	7.6			7.6	302	
	J9-11	. 3	8.3		7 • 0		15 . 2	4,3	• 7		5 • 0	302	
	12-14		8 • 2		5 • 2		13.4	2.0	• 3		2 • 3	305	
	15-17	. 3	7.9		5.6		13.5	2.3	1.0		3 . 3	303	
	18-20 i		8.4		3.3		11.7	2.0	1.0	. 3	3.3	299	
	21-23	• 3	9 • 1		3 • 3		12 • 1	4.9	. 3		5 • 2	307	
	TOTALS I	• 1	8.5		4.8		13.2	5.1	.5	•0	5.6	2428	

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEPIOD OF RECORD: 78-87

									MONTH: JUN			
FOURS (LST)		TSTMS	RAIN &/OR CRIZZLE	FRZING RAIN G/OR DRIZZLE	SNOW G/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING MAZE SNOW	DUST &/OR SAND	% OBS W/GBST TO VISION	T OT AL OBS
cc-02	1		11.6		1.0	. 3	12.6	4.4		•••••	4.4	294
63-65	1		10.9		1.4		11.9	7 • 2			7.2	293
96-08	1		8.6		1.7		10.4	7.7			7.7	297
09-11	1		8 • 2		1.0	• 3	9.5	3 . 1	• 3		3 • 4	294
12-14	1	• 3	11.8		1.3	• 3	13.1	. 3			. 3	297
15-17	ı	1.7	12.1		1.7	. 3	14 • 1	. 7			. 7	297
18-20	1	2.0	13.2		1.7		14.9	• 3	• 7		1.6	295
21-23	i	. 3	11.5		1.0		12.5	2.0			2.0	295
TOTALS	1	• 5	11.6		1.4	• 2	12.4	3.2	•1		3.3	2362

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PETIOD OF PECORD: 78-87 MONTH: JUL

HOURS (LST)	T S TM S	RAIN E/OR CRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW E/OR SLEET	HAIL	¥ OBS WITH PRECIP	FOG	SHOKE SNOW	DUST E/OR SAND	AISION ACB21 A OB2	TOTAL OPS
00-02	1 .3	8.9				8.9	8 • 2			8.2	304
C 3- 05	1 . 3	10.1				10.1	11.4			11.4	308
06-08	.7	12.5				12.5	10.2			10.2	305
09-11	ł	10.7				10 • 7	10.1			10.1	307
12-14	1 .3	11.5				11.5	4.9	• 3		5.3	304
15-17	1 2.6	12.1				12 • 1	2 • 6	• 3		2.9	306
19-20	2.6	11.3				11.3	2 • 6	. 7	. 7	4.0	302
21-23	1 . 1.3	10.7				10.7	5 • 5	• 7		6 • 2	307
TOTALS	1.0	11.0				11.0	6.9	• 3	-1	7.3	2443
	• • • • • • • • • • • • • • • • • • • •									• • • • • • •	• • • • • • • • • • • • •

STATION NUMBER:	225565	STATIO	DA NAME:	ARKHANGELSK USSR			PERIOD OF RECORD: 78-87 MONTH: AUG						
HOURS (LST)	-	TSTMS	RAIN E/OR Erizzle	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	3 OBS WIT⊢ PRECIP	FOG	SMOKE E/OR BLOWING HA7E SNOW	DUST E/OR SAND	2 OBS W/(BST 10 VISION	101AL 055	
∪3-9 <i>2</i>	1	. 3	10.8		• • • • • • • • •	• • • • • • •	10.8	9.8	. 3	• • • • • • • •	10,1	306	••••
23-05	1		11.9				11 • 9	12.5	. 7		13.2	303	
06-08	ŧ		11.6				11.6	18.6			18.6	301	
09-11	1	• 3	11.5				11.5	12.1	• 7		12.8	305	
12-14	Ł	. 3	11.3				11.3	7.6	1.0		8.6	301	
15-17	1	1.5	10.1				10 • 1	5.2			3 . 2	308	
18-20	1	• 3	16.7				10.7	4.7	• 3		5.0	300	
21-23	1	• 3	12.8				12 • 8	6.9			6.9	305	
TOTALS	i	• 3	11.3				11.3	9.4	. 4		9.8	2429	

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

MONTH: SEP

HOURS (LST)	TSTMS	RAIN G/OR CRIZZLŁ	FRZING SNOW RAIN 6/OR 6/OR SLEET DRIZZLE	HAIL	\$ OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING FAZE SNOW	DUST & OBS G/OR W/OBST SAND TO VISION	1019F
00-02	i	16.2	1.0	1	17.2	10.0	• 3	10.3	291
C3-05	I	14.4	• 3	1	14.7	14.0		14.0	292
C6-08	1	15.9	. 7	•	16.6	21.1		21.1	289
09-11	I	12.5	1 • 0	I	13.5	19.9	. 7	₹0.5	297
12-14	1	15.2	• 1	,	15 • 9	10.4	• 3	10.7	289
15-17	1 .3	16.7	.7	•	17.3	9.2		9.2	294
18-20	. 7	17.6	1.0	ī	18.6	5.9	. 3	6 • 2	290
21-23	t	16.1	. 7	,	16.7	8.0	• 3	8.4	299
TOTALS	.1	15.6	. 8	ı	16.3	12.3	• 2	12.6	2341

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 77-86

				_				MONTH: OCT			
HOUPS (LST)	   TSTMS 	RAIN &/OR GRIZZLE	FRZING RAIN E/OR ORIZZLE	SNOW &/OR SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE SNOW	DUST G E/OR Sand	R ORS W/OBST TO VISION	TOTAL OBS
20-02	ı	18.8		13.4	•••••	31.5	7.7		• • • • • • • • •	7.7	298
03-05	1	17.7	.7	13.8		30 • 8	10.2			10.2	305
C6+D8	1	14.9		13.9		28 • 8	14.6			14.6	302
09-11	1	18.0	. 7	14.5		31 • 8	18.4			18.4	283
12-14	1 .3	18.5	.3	11.1		28.9	13.8			13.8	298
15-17	1	14 • 1		9.5		22 • 4	12.2	. 3		12.5	304
18-20	1	18.5		11.6		29 • 0	10-1			10.1	297
21-23	1	15.4		15.0		29 • 4	10.5			10.5	306
TOTALS	1 .0	17.0	•2	12.9		29 • 1	12.2	• 0		12.2	2393

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER:	22550C S	NO TAT	NAME:	ARK HANG	ELSK USSR				PERIOD Month:	OF RECORD	: 77-86		
HOURS	T	STHS	RAIN E/OR RIZZLE	FRZING RAIN Ł/OR DRIZZLE	SNOW G/OR Sleet	HAIL	3 OBS WITH PRECIP	FOG	SWOKE E/OR HAZE	SNOM Bropin <sup>g</sup>	DUST E/OR SAND	VISION	T OT AL OBS
00-02	i		6.8	• • • • • • • •	35 • 3	• • • • • • •	42.0	7.8	•••••	• • • • • • • • •	• • • • • •	7.8	295
03-05	t		6.2		32.9		38.7	5 • 1				5 • 1	292
06~08	1		8 • 5		34.0		42.2	9.2				9.2	294
C9-11	1		5 • 1	•7	31.3		37.1	10.2				10.2	275
12-14	1		7.6		38.8		46.0	9.3	• 3			9.6	291
15-17	i		7.5	•3	35.0		42.2	11.2		• 3		11.6	294
18-20	I		7.2		33.8		40 . 6	7.8		. 3		8 . 2	293
21-23	L		5.4	• 3	33.8		39 . 5	9.5		. 3		9.8	296
TOTALS	1		6 • 8	•2	34.4		41 • D	8 • 8	•0	•1		8.9	2330

STATION NUMBER	22550C		_						PERIOD MONTH:	OF RECORD	: 77-86			
HOUR.		TSTHS	RAIN	FRZING RAIN E/OR DRIZZLE	SNOW &/OR Sleet	PAIL	1 085 WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST L/OR SAND	# 085 #/CBST 10 # 085	TOTAL OBS	••
63-0	2 1	• • • • • • •	1.6	.3	47.9	• • • • • •	49.5	8.8	•••••	••••••	•••••	8.8	307	•
C 3-0	5 <b>l</b>		1.0		50.7		51.6	9 • 2				9 • 2	306	
0-90	8		1 • 3	•3	41.9		43.5	11.0				11.0	301	
09-1	1		2.5		41.4		43.9	12.9				12.9	278	
12-1	4 j	• 3	2		45.0		46.9	14.7	• 3			15.0	307	
15-1	7		. 7		37.8		38.5	19.8		.1		15.5	304	
18-2	o I		1.6		43.8		44.7	12.0		. 3		13.2	304	
21-2	5		1 • 3		46.2		47.2	9.8	. 3			16.2	305	
TOTAL		•0	1.4	•1	44.3		45.7	11.8	.1	•1		12.0	2412	

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEDIOD OF RECORD: 77-87 MONTH: ALL

Dust \$ 085 RAIN 6/OR \$ 085 WITH PRECIP FRZING SNOW DUST 6/OR SAND SMOKE HOLRS (LST) RAIN E/OR E/OR SLEET W/085T C/OR BLOWING CRIZZLE PAZE SNOW OBS DRIZZLE VISION 2398 JAN 43.3 43.8 .1 FEB - 1 • 8 39.2 40 - 1 13.3 13.5 2180 MAR . 0 1.7 27.2 16.3 17.2 2406 APR 14.1 18.6 10.1 10.8 4 . 6 . 7 • 0 2334 MAY . 1 8.5 4 . 8 13.2 5.1 . 5 .0 5.6 2428 JUN • 5 1.4 12.4 3.2 11.0 . 2 . 1 3.3 2362 JUL 1.0 11.0 11.0 6.9 . 3 7.3 2443 AUG • 3 11.3 11.3 9.4 9 . 8 2429 SEP 15.6 16.3 12.3 12.6 2341 OCT 29.1 12.2 2393 NOV •2 34 . 4 41.0 8.8 .0 8.9 2330 6 . 8 . 1 ٠. 45.7 1.4 . 1 11.8 . 1 • 1 12.0 2412 TOTALS I 7.5 18.4 25.8 10.4 .0 • 2 - 1 . 3 .0 28456 • 0 10.8

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SEE SUPPLEMENTAL SECTION (SUMMARY OF DAY DATA) FOR THESE SUMMAPLES.

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BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

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PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIPECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 23D TO 1400 FEET AND/OR WHEN THE CEILING IS ECJAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF "." IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .65%.

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

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IRECTION DE GREES)		4 -6	7-10		WI	ND SPEED	IN KNOTS 28-33		41-47			TOTAL	ME A N WIND
	1 1.7	1.3	•••••	• • • • • • • •	•••••	•••••		• • • • • •	• • • • • • •	• • • • • • •	•••••		3.0
 NNE	1 1.7												
	i	• 3	• 3									2.3	3.7
NE	.3	1 • 7	• 3									2.3	5 - 1
E NE	1.7	1.0	•3									3.0	3.8
E	1.7	• 7	. 7									3.0	4 • 2
F SE	.7	5 • 3	2.0	• 3								8.3	6.2
SE	1.7	8 • 3	5.3	2.0								17.2	6.5
5 S E		5 • 9	3.0	1.7								10.6	7.3
S		2.6	1.3	. 3								4.6	6.6
SSW		2.3	2.0	1.0								5.3	8,4
SW	.3	1.7	1.3	1.3	. 3							5.0	9.4
WSW	1.0	3 • 3	2.3	. 3								6.9	6 • 1
•	1.7	3.3	4.0	1.7								10.6	7.2
WNW	1.0	1 - 3	1.0	. 7	.7							4.6	8.6
NW	.7	1 • 3	. 3	• 3	. 3							3.0	6.8
NNW	1.7	2.0	• 3									4.0	3.8
VA RIABLE		••••••	•••••	•••••	•••••	•••••	••••••	· · · · · · · · · · · · · · · · · · ·	• • • • • • •	•••••	•••••	•••••••	•••••
CALM	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,,		,,,,,,,	,,,,,,,	,,,,,,,	6.9	,,,,,,
TOTALS	l l 15.5	42 . 2	24.4	9.6	1.3							100.0	6.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	22550C	STATION	NAME:						MONTH:	OF RECOR		3-87 51): 0300-	05 00
• • • • • • • • • • • • •		•••••	• • • • • • • •	• • • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • • •	• • • • • • • • • •
DIRECTION (DEGREES)	l	4 -6	7-10		17-21		28-33		41,-47	48-55	GE 56	TOTAL	ME AN W1ND
N	2.3		.7	• • • • • • • •	•••••		••••••	• • • • • • •	•••••	••••••	•••••	3.0	3.3
NNE	.7	1.0	• 3									2.0	4.7
NE	. 7	• 7	.7									2.0	4.7
E NE.	• 3	1 - 3		.7								2.3	7.1
E	1.0	1 - 7	.7									3 . 3	4.6
ËSE	2.0	2.0	1.3	• 3								5.6	5.2
SE	2.0	11.0	4.7	2.0								19.6	6.5
3 S E		4 • 7	3.0	2.0								9.6	7.7
s	1.0	4 . 3	2.3	1 • 3								9.0	6.5
SSW		1.3	.7	1.0								3.0	9.8
SW	1.7	1.3	1.3	1.7								6.0	7.3
wsw	.7	3 . 7	3.7	. 3								8 . 3	7.0
¥	. 1	4 • 0	2.3		. 3							7 . 3	6.3
WNW	1•0	• 3	. 3	1.0								2.7	7.8
NW	. 7	1 • 7	1.0	1.0								4.3	7 +2
NW	1+7	2.5	. 3									3.7	4.2
VARIABLE	·	•••••	•••••	• • • • • • •	• • • • • • • •		•••••	• • • • • • •		••••••	•••••		
CALM	,,,,,,,,	1111111	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	8.3	111111
TO TALS	15.5	40.9	23.3	11.3	• 3			,				100.0	5.9
: : • • • • • • • • • • • • • • •	: • • • • • • • • • •												•••••

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED From Hourly Observations

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		•••••	••••••	• • • • • • •		ID COFFE	IN KNOIS	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • • • •	••••••
IRECTION   Degrees)	·	4 -6	7-10		17-21	22-27	26-33	34-40				TOTAL	ME AN VIND
N !	.7	2 • 7		•••••	•••••		••••••	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	3.3	4.0
NNE !	• 3	. 3	.7									1.3	6.0
NE	1.0	1.0										2.9	3.7
ENE !	. 7	1 - 7	• 7	. 3								3 • 3	5 .A
E !	1 - 3	1 - 3	• 7									3 . 3	4.2
ESE	2.0	4 • 3	2.0	• 3								8.7	5.4
SE !	1.0	9.7	6.0	2.0								18.7	6.8
5 S E	• 3	4.3	.7	1.0								6.4	6 • 2
s		4 . 7	3.0	1.7								9.4	7.6
SSW	1.0	2.0	1.3	1.0	• 3							5.7	7.4
SW .	. 1	1.7	2 • 3	. 7								5.4	7.5
usu !		2.0	1.0	1.7								4.7	9.4
•	. 3	4.0	2.0	1.3								7.7	7.3
unu I	. 7	1.0	.7	• 3	.3							3.0	7.7
NH	. 7	. 3	.7	. 7								2.3	8.3
NNW 1	1.!	2.0	.7	• 3								4.3	5.1
	• • • • • • • •	•••••		• • • • • • • •	•••••			• • • • • • •	• • • • • • • • •		• • • • • •	• • • • • • • • •	
ı			11111111	,,,,,,,,				,,,,,,	,,,,,,,,			13.4	,,,,,,
I TOTALS I	12.0	43.1		11.4	.7					• • ·		100.0	5.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	•••••	u T H	in Speen	IN KNOTS	• • • • • •	• • • • • • • • •	•••••	• • • • • • •	• • • • • • • • • •	• • • • • • • •
IRECTION   Degrees)	1-3	4 -6	7-10		17-21	22-27	28-33	34-40				TCTAL \$	ME AN Wind
N ]	• • • • • • • • • • • • • • • • • • • •	1.8	. 4	•••••	•••••	•••••	•••••	•••••	•••••	•••••		2 • 2	5.0
NNE !	. 4	1.1	. 7									2.2	6.0
NE !		1.1					•					1.1	4.7
ENE !	. 7	1.8										2.5	4.3
E	1.0	1.8	.4									3.9	3.6
ESE	2.5	5.0	3.2									10.8	5.3
SE	2.9	8.2	5.7	3.6								20.4	6.8
SSE	. 7	3.9	2 • 2	. 7								7.5	6.3
s	1.4	4 • 3	2.5	2 • 2								10.4	7.4
554	. 4	1.1	1.8	1.1	. 4							4.7	9.7
Su	. 1	2.2	1.1	. 4								4.3	6.5
K S W	1 • 1	1.4	2.5	. 7								5.7	7.1
• !	. 7	2 • 2	2.5	. 4	. 4							6.1	7.5
WNW		• 7	.4	. 4								1.4	8.5
NW		4 • 1	1.8	. 4								3.2	7.1
NN6	1 • <sup>p</sup>	2.2	. 4	. 4								4.7	4.9
/ARIABLE	• • • • • • • •		•••••	• • • • • • • •					• • • • • • •	• • • • • • •	•••••		
i				,,,,,,,,	,,,,,,,			,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	9.0	,,,,,,,
OTALS	15.1	39 . я		10.0								100.0	5.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLRLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

	i	•••••	• • • • • • • •	• • • • • • • •	Alu	O SPEED		• • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • • • •	************
DIRECTION (DEGREES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL 3	MIND We wn
N	.7	1.0	. 3		••••••	••••••	• • • • • •	•••••	•••••	••••••		2.0	4.3
NNE	2.0		• 3		• 3							2.7	4 .6
NE	1.7	• 3	. 3									2.4	3.4
E NE	1.5	1.7										2.7	4.0
E	1.7	2.0										3.7	3.5
E SE	1.7	4.4	2.0	. 7								8.8	6.0
SE	2.4	7 • 4	7.1	2.0								18.9	6.9
5 SE	1.4	3.4	2.7									7.4	5.5
s	1.0	3 • C	2.4	2.7								9.1	7.9
5 S W	.,	2.4	2.7	1.7		.3						7.8	8.3
SW	.,	1.7	1 - 4	1.0								4.4	8 • 2
wsw	. 3	2 . 4	. 3	1.0								4.1	6.3
w	.7	3.0	2.0	1.4								7.1	7.5
WNW	.3	• 7	1-4									2.4	6.9
NW	1.7	2.0	.7									4.4	4 .0
NNW	1.4	2.7	.7	• 3								5 • 1	5.2
VARIABLE	! !	•••••		•••••		• • • • • • •	••••••	•••••	•••••	•••••	•••••	• • • • • • • • •	
CALH		,,,,,,,	,,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	7.1	/////
TOTALS	10.9	38 . 2	24.3	10.8	. 3	•3						100.0	5.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

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STATION NUMBER	R: 225501	STATION	NAME:						PERIOD Month:	OF PECOR Jan		-87   : 1500-	1700
DIRECTION (DEGREES)		4-6	7-10	11-16	17-21	1D SPEED 22-27	IN KNOTS 28-33	34-40			GE 56	TOTAL	ME AN WIND
N	. 2	• 7	. 7		• 3					••••••		2.7	7.8
NNE	2.0											2.0	2 • 0
NE	1.0	2 • 6	• 3									3.9	3.8
FNE	• 3	1.3										1.3	4.5
E	1.3	3.0	1.0									5.3	4.6
E SE	. 7	6.9	2.3	. 3								10.2	6.3
SŁ	] ] 3.c	7.9	6.6	1.6								19.1	6.6
SSE	1.3	4.3	2.0	• 3								7.9	5.6
s	.7	2.6	3.6	1.3	. 3							8.6	8.0
SSW	!	2.0	2.6									4.6	7.9
SW	.7	2 • C	1.3	2.0								5.9	7.8
wsw	!	2.0	1.6	1.6								5.3	8.6
W	.7	3 • C	1.0	. 7								5.3	6.0
ยหม	.7	1.6	1.0	. 3								3.6	6.2
NW	. 7	1 - 6	. 3		. 3							3.0	5.9
NNW	1.6	1.0	1.3									3.9	4.8
VARIABLE	, • • • • • • • • • • • • • • • • • • •			• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •		• • • • • • •	• • • • • • • •		
	: 							,,,,,,,			,,,,,,,,	A.2	111111
TOTALS	1					,,,,,	**********					100.0	5 .A
10 FALS	} 14.P	42.1	25.7	8 • 2								100.0	> • ₹

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GLOBAL CLIMATOLOGY BRANCH
PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
USAFETAC
FROM HOLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 22550C STATION NAME: ARMHANGELSK USSR

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS (LST): 1800-2000

WIND SPEED IN KNOTS

	l				w I	NO SPEED	IN KNOT	S					
DIRECTION		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL %	ME A N W I N U
N	1.0	. 3	.3	•••••	• • • • • • •	•••••	•••••		• • • • • • •	• • • • • • • •	• • • • • • •	1.6	3,6
NNE	1.0	• 7										1.6	2.8
NÉ	1.6	2 • 6	• 3									4.6	3.9
ENE	1.0	1 + 7										2.3	3.4
٤	• 2	2 • 0	. 3									2.6	5 • 0
E SE	2.3	6 • 9	2.0	. 7								11.9	5 + 3
SE	1.6	7 • 2	7 • 2	1.6								17.8	6.8
3.2.2	.3	5 • 3	1.3	. 3								7.2	6.1
S	, 7	2 • 3	2.6	2.0								7.6	8.2
SSW	. 7	2.0	1 • 3	1.0								4.9	7 • 3
Sin	. 3	1.6	3 • □	1.3								6.2	8 . 2
₩ S₩	. 7	2.3	2.0		. 3							5.3	7.1
u	1+3	3 • 3	2.6	1.0								8.2	7.0
ਜ਼ <b>ਪ</b> ਜ਼	. 7	1.0	1 • C	• 7								3.3	7.0
Nid I	.7	2 . 3	. 7		• 3							3.9	6.9
NNW	1 - 2	2 • 3	. 3									3.9	<b>3.8</b>
VARIABLE	·	• • • • • •	•••••	• • • • • • •	•••••	•••••	•••••	• • • • • • •		•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
CALM	,,,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,	11111111	,,,,,,,,	,,,,,,,	///////	,,,,,,,	6.9	/////
TOTALS	15.5	43.4	25.0	A • 6	. 7							100.0	5.9
	,												

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOG OF PECORD: 78-87 MONTH: JAN HOURS(LST): 2100-2300 | WIND SPEED IN KNOTS
| DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-4D 41-47 48-55 GE 56 TCTAL MEAN IDEGREESI I MIND 4 ,4 1.6 NNE 1 . 3 1.0 2.3 3.1 . 3 ٨E • 7 2.0 4.0 1.0 . 3 ENE . 7 2.6 3.6 4.7 £ . 7 3.3 1.0 4.9 4.9 ESE 1.3 5.2 3.0 • 3 9.8 5.9 S£ 1.3 7 . 2 3.9 2.0 14.4 6.6 SSE 3.3 1.6 10.5 7.1 S 3.9 1.6 . 7 7.2 6.2 1.3 • 3 6 . 6 8.5 SW 1.0 7.9 2.6 • 3 . 7 5.9 8.2 . 3 1.6 . 7 3.2 2 . 3 3.6 5.3 1.3 1.0 . 7 3.3 9.0 . 3 NW 2.0 1.0 1.0 3.9 7.8 NNW 2.6 3.8 1.6 VARIABLE CALM 100.0 22.0 10.5 1.3 6.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: JAN HOURS (LST): ALL WIND SPEED IN KNOTS 4-6 7-10 11-16 17-21 22-27 28-33 34-40 .41-47 DIRECTION ! GE 56 TOTAL MEAN COEGREES! | WIND N . 5 1.0 • 3 • 0 2.3 4.3 NNE • 5 • 3 • 0 2.0 4 . 1 ٨E ٠, 1 - 3 • 3 2.6 4 - 1 . 8 . 1 • 2 4.7 2.6 Ε 2.0 3.8 1 . 2 .6 4.4 E SE 1.6 5 • C 2.2 . 4 9.2 5.6 SE 5 . 4 5.8 2.0 2.1 19.2 6.7 SSE . 1 4.5 2.3 1.0 8.4 6.6 S 3.5 2.4 1.5 • 0 . d 8.2 7.4 554 . 4 2.0 1.6 1.0 • 1 5.3 SW . 6 1.7 1.9 1.2 •0 5.4 7.9 WSW 2.5 1.8 . 9 . 1 5.8 7.3 1.0 3 . 3 . 1 7.6 6.8 E NW 1.0 , 6 • 8 . 4 • 2 3.1 7.7 . 6 • 8 . i 6.6 NNW 2.1 .5 . 1 4.5 VARIABLE |

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100.0

5.9

TOTAL NUMBER OF OBSERVATIONS: 2391

41.9

24.C

10.0

CALM

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOLRLY OBSERVATIONS

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87
MONTH: FEE HOURS(LST): 0000-0200

RECTION	1-3	4 -6	7-10	11-16	17-21		IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	PEAN
EGREES)		<b>4</b> -0					20-33	34:40	*****			*	MIND
N j	. 4	• 7	.4									1.5	4.5
NNE I	. 7	. 4	.4									1.5	4.5
NE I	1 • 1	1.5	. 4									2.9	4.3
ENE	. 7	• 7		. 7								2.2	6.0
ε	1 • 5	2 • 6	1.1									5 • 1	4.9
E SE	1 • 1	5 • 5	2.9	. 4								9.9	5.8
SE I	1 - 1	8.4	.7	. 7								11.0	5.5
SSE	1 - 1	2 • 6	1.5	1.5								6.6	7.3
s	1 - 1	1.8	1.1	. 7								4.8	6.6
SSW	1 • 1	4.4	1.8									7.3	5.8
SH .		3 • 3	.7	1.5								5.5	7.3
wsw	1.5	2.6	2.2	. 7								7.0	6.5
	1 • 3	6 • 6	4.8	. 7								13.9	6.4
HNH	. 7	3 • 7	2.2	. 4								7.0	6.4
NW I	. 7	1 • 9	1.1	. 7								4.4	6.7
NNN !	. 4	1 • 5	1.8	. 7								4.4	7.8
ARIABLE	• • • • • • • •	•••••		• • • • • • • •	*****	•••••	••••••	• • • • • • •	• • • • • • • • •	•••••	••••••	• • • • • • • • •	
ALM !	,,,,,,,,,	//////	11111111	,,,,,,,	111111	11111111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	5.1	//////
OTALS	15.0	48 . C	23.1	8.8								100.0	5.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

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STATION NUMBER: 2255CO STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: FEB HOURS (LST): 0300-0500 WIND SPEED IN KNOTS
DIPECTION 1 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL ME A N MIND (DE GREES) | 4.9 1.1 . 7 . 7 NNE 1.5 3.0 . 7 . 7 . 7 NE 2.2 5.0 ENE 1.5 . 4 1.8 6.8 ٤ 1.1 3.6 . 7 5.5 4.5 E SE 4.0 1.1 . 4 8.0 4.6 SE 1.5 9.9 1.8 . 7 13.9 5.4 1.1 . 7 4.7 8.0 6.3 1 . 1 S 1.5 3.3 . 7 6.2 7.4 . 7 . 4 1.1 3.6 8.0 Sw i . B 1.6 . 7 5.1 7.1 4.0 . 4 4.0 9.4 6.8 H 1.5 6.5 1.8 5.5 3.6 12.4 W N W 2.2 . 7 1.8 1.5 6.2 7.2 NW . 7 2.2 1.5 4.4 5.7 NNW VARIABLE | CALM 6.9 ////// TOTALS 100.0 5.7

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PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBER	P: 225500	STATION	NAME:						MONTH:		HOURS (LS	-87 T): 0600-	<b>08</b> 0 <b>0</b>
DIRECTION (DEGREES)	t	4-6	7-10	11-16	17-21	ND SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN
N	.7	2.6	.4	•••••	••••••	•••••	•••••	•••••	•••••	• • • • • • • • •	• • • • • • •	3.6	4.4
NNE	.,	. 7	.4									1.8	4.4
NE	.7	1.6	.4	. 4								3.3	5 • 1
E NE	.7	. 4		. 4								1.5	5.5
£	.7	1 - 1	. 7									2.6	5 • 1
ESE	3.3	4 . 7	1.1	. 7								9.9	4.7
SE	1.0	9.9	2 • 2									13.9	5 • 2
SSE	1.5	1.8	1.1	1.5								5.9	6.9
S	.7	5 • 1	1.8	. 7								Я.4	6.7
SSW	.7	3 • 6	3 . 3	. 4								0.0	6.9
SW	!	1.5	1.8	. 4	. 4							4.0	8 • 1
WSW	2.;	2 • 6	4.4									9.1	5.8
b	1.5	3 • 6	3.6	. 4								9.1	6.3
KNW	. 7	2 • 6	. 4	1.5								5.1	7.0
NW	.7	1 • 5	. 7	. 7								3.6	6.6
NNW	! !	1.9	. 7	. 4								2.9	7.3
	! • • • • • • • • • • • • • • • • • • •			• • • • • • • •									
VARIABLE	ĺ	<b></b>											
	!						,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,		
TOTALS	) 16.9 	45 . 3	23.0	7.3	.4							100.0	5 .6
************	• • • • • • • • • •	• • • • • • •	••••••	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	•••••	•••••

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATICA NAME: ARKHANGELSK USSR

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MONTH: FEB HOURS (LST): 0900-1100 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL ME AN DIRECTION ! IDEGREEST 1 \* N 3,4 1, ; 2.8 1 . 6 1.2 7.3 NNE . 4 • 0 . 4 NE . 4 4.0 1.2 2.0 1 . 2 Ł 1.6 1.2 5.2 6.5 ESE 1.2 8.0 5.6 13.9 5.3 SE 3.2 6 • 9 5.7 SSE 2.4 2.4 2 . . 7.0 5 3 . 6 3.6 . 8 . 4 7.6 6.2 SSW 1.6 3 . 2 2.4 6.8 1.2 6.9 5 W 2 . 8 2.4 1.2 6.4 7.8 1.5 2.8 . 4 8.4 7.0 ENE 4.0 9.3 2.0 . 8 6.4 6.6 3.2 5.8 VARIABLE CALM 7.6 ////// TOTALS 100.0

PERIOD OF PECORD:

78-87

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOLRLY ORSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

MONTH: FEP HOURS(LST): 1200-1400

									MONTH:	MONTH: FEP HOURS (LS			T1: 1200-1400	
NIND SPEED IN KNOTS													• • • • • • • •	
DIPECTION   IDEGREEST	1-3	4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL 3	ME AN WIND	
N Į	. 7	. 4	•••••		******	• • • • • • • • •		• • • • • • • •	•••••	••••••		1.1	2.7	
NNE		• 7										. 7	5.0	
NE	. 4	2.5										2.8	4.5	
ENE		1.1		. 4								1.4	6.0	
į.	. 1	2.5	. 4	1.1			to.					4.6	6.6	
E SE	. 7	2 • 8	2.1	1.1								6.7	6.7	
SE	2.8	11.0	2.5	. 7								17.0	5.3	
SSE	1 • F	1 • 8	1.4	1.1								6.0	6.6	
s	1.1	2 • 5	1.6	. 7								6.3	6.6	
554		3.9	2.5	1.8								9.2	8.1	
Sw (	. 7	1.4	1.8	1.1								5.0	9.0	
N S W		3.5	3,5	. 4								7.4	7.0	
	. 1	5 • ?	4.3	1.1								11.0	7.0	
שאע	. 4	1.4	2.8	. 7								5.3	8 - 3	
NW I		1.9	1.8	. 7								4.3	8 • 3	
NNW	. 4	3 • 2	. 4	1.4								5.3	7.1	
VARIABLE	• • • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	• • • • • • • •	••••••	• • • • • • •		•••••	•••••	•••••		
1	amini.	,,,,,,,	((())	(1)11111	,,,,,,	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	11111111	////////	7.1	,,,,,,	
TOTALS 1	10.3	45.4	25.2	12.1								100.0	6.3	

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••		•••••	 I⊔	ND SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	•••••
IPECTION I Degreest I	1-3	4 -6	7-10		17-21	22-27		34-40	41-47			TETAL	ME AN WIND
N !	•••••	1.8				•••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • • •	••••••	1.8	4.4
NNE		1.4	.4									1.8	5,6
NE	. 4	1.4										1.8	3.6
ENE !	1 - 1	1 • 1	.4	. 7								3.2	5.6
E !	1.1	۲۰۲	1.8									5.1	5.7
ESE	. 7	1 • p	1.8	. 4								4.7	6.5
SE }	2.5	9.7	2.5	1.1								15.9	5.5
SSE	1 • 4	3 • 6	1 - 1	1.8								7.9	6.5
s	. 7	1 - 1	3.2	1.1								6.1	7.6
SSW	. 4	1.4	2.9	. 7								5.4	7.7
Sw		2 • 2	1 • 4	1.4								5.1	8.3
H2H	1 • 1	1 • B	4.0	. 7								7.6	7.4
	. 4	5 • 8	4.0	1.8								11.9	7.4
WNW	. 4	3.2	2 • 5	1.4	. 4							7.9	8.3
Nh.	1.3	2.9	1.1	. 7								6.5	5.6
RNW	. 4	• 7	. 4	1.1	.4							2.9	9,6
ARIABLE	• • • • • • • • •	• • • • • •		•••••		•••••	•••••	• • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	
ALM	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,,,,	///;///	,,,,,,,	,,,,,,,	,,,,,,,	4.3	,,,,,,
OTALS F	12 • 3	42 • 2	27.4	13.0	. 7							100.0	6.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87 MONTH: FEE HOURS(LST): 1800-20UC STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR ......

			•••••		WI	ND SPEED				• • • • • • • •			•••••
DIRECTION 1 (DEGREES) 1		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TC TAL	MIND
N		1.1		•••••		•••••	• • • • • • •	•••••		••••••	•••••	1.1	4.0
NAE ?		1.1										1.1	4.7
NE	. 1		1.1	. 7								2.6	7.7
ENE !	. 7	1.1	.7									2.6	4.9
£ .	1.5	3 • C	1.1									5.5	4.7
E SE	1.5	3 • 7	1.5	1.1								7.7	6.2
SE I	1 • 1	7.7	3.0	. 4	.4							12.5	6.0
S S E	1 - 1	2.6	1.8	1.5								7.0	7.3
5		2 . ?	1.8	1.1								5 • 2	7.7
s s w	. 1	4.0	1.8	. 7								8 • 1	6.2
S in 1	. 4	3.0	. 7	1.5	.4							5.9	7 .6
w S w	1.1	2.6	4.1	1.1								8.9	7.1
u	2.6	4 . 8	3.3	1.1								11.8	6.3
W N W	. 7	3 • 0	1.5	. 4								5.5	6 .4
NW	1.9	1.0	2 • 6	1.5								7.7	6.8
N New	1 - 1	1 • 5	. 4	. 4								3 - 3	5.8
VARIABLE !	• • • • • • • • •	•••••	• • • • • • • •		•••••	•••••	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	
CALM !	111111111	,,,,,,	,,,,,,,,	,,,,,,,,	1111111	(111111)	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	3.3	111111
TO TALS	15.1	43.9	25.5	11.4	. 7			,				190.0	6.2

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: MONTH: FEB HOURS(LST): 2100-2306 WIND SPEED IN KNOTS 11-16 17-21 DIPECTION 22-27 28-33 34-40 TOTAL 41-47 48-55 GE 56 PEAN IDE GREES! ! WIND N 1.1 4.4 NNE 1 . 1 1.5 2.6 3.7 NE . 4 . 4 . 7 . 7 2.2 . 7 3.3 4.7 E 1 - 1 4 . C 6.2 4.9 FSE 2 • 2 1.1 7.7 5.0 S€ 5 - 1 4 . C 1.1 . 4 10.9 6.7 . 7 7.9 SSE . 7 1.1 5.5 6.8 5 . 4 2.9 1.1 1.8 6.2 7.9 SSW . 4 3 . 3 2.6 6.2 SW . 7 1.1 1.5 WSW . 4 2.9 . 7 7.7 7.2 1 . 3 7.3 4.0 6.3 14.2 1.5 3.6 6.2 7.6 N to 1 . 1 . . 9 1.8 6.6 6.6 TINE VARIABLE CALM 4.7 ///// 100.0 6.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

	: 225500								MCNTH:		HOURS (LS		_
	• • • • • • • • •	• • • • • • •	*******	• • • • • • •			IN KNOTS		•••••	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • • • •
DIFECTION ! IDEGREESI [	1-3	4 -6				-	28-33				GE 56	TOTAL	MIND
N	. 5	1.3	•2	•••••	•••••	* • • • • •	••••••	• • • • • •	*******	••••••	•••••	2.0	4.2
NNE I	. 4	. 9	• 2									1.5	4.6
NE İ	. 6	1 • 1	.4	• 2								2.3	5 • 4
FNE	. 6	1.7	• 2	. 3								2 • 2	5.3
E İ	1 • 1	2.5	1.0	. 3								5.0	5 • 3
F S E	1.7	4.0	1.6	• 6								7.8	5.5
SE I	1 - 9	8 • 6	2 • 5	• 6	. 1							13.6	5 •6
350	1.4	2 • 8	1.4	1.2	•0							6.9	6.6
s į	. 7	2.6	2 • 2	1.0								6.4	7.2
55#	. 1	3 • 1	2 . 3	. 6								6 • R	6.9
Sw I	. 4	2 • 3	1.5	1.1	. 1							5.4	7.6
<b>454</b>	٠,	2.7	3.6	. 6								7.9	6.9
·	1 • 4	5 • 3	3.9	1.0	•0							11.6	6.6
UNU	٠ ٠	2.2	2.0	. 8	• 1							5.9	7.5
NW I	1.0	2 • 2	1.6	• 7								5.5	6.6
NNW !	. 5	1 • 7	. 7	• 6	•0							3.4	7.0
VARIABLE	• • • • • • • •	• • • • • • •		•••••	•••••	•••••	••••••	• • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • • • •	••••••
CALM	,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	5.8	/////
TOTALS	14.5	44 . 2	25.3	9.8	• 5			,				100.0	6.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM POURLY OBSERVATIONS

STATION NUMBER: 22550C STATICA NAME: ARKHANGELSK USSR PERIO

STATION NUMBER	P: 225500	STATION	NAME:	ARKHANGE	LSK USSR			PERIOD (	OF RECOR		-87 []: 0030-	02 00
•••••	. • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	• • • • • • • • •	WIND SPEE		• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	•• •• • • • • • • • • • •
DIFECTION	1	4-6	7-10		17-21 22-27	28-33	34-40			GE 56	TOTAL	ME A N WIND
٠	.7	1.3	. 3			• • • • • • • • • •	•••••	*******	• • • • • • • •		2.3	4.0
NNE	.7	1.0	. 3								2.0	4.7
NE	.3	1.9	. 7								2.0	5.7
FNE	. 3	1 • ?	1.0	• 3							3.0	6.9
£	1.3	3 • 6	• 3								5 . 2	4.5
E SE	1.6	7 • 2	• 7								9.5	4,9
se	1 - 2	7 • 9	3.0								12.1	5.5
5 S.E.	2.0	4.9	2.6	. 3							9.8	5.5
\$	1.1	7 • 5	3+3	1.3							13,4	6.3
S \$ W	.,	3 • 6	2.0	• 3							6.2	6.6
SW	2.5	3 • 0	2.3	• 3							5.6	6.0
พรพ	. 7	3 • 4	2.0	• 7							6.9	6.5
•	1 .7	3 • 0	2.3	. 7							6.6	6.9
M V M	1.0	2 • 3	• 3	• 3							3.9	4.8
fa tu	1.0	1 • 6	• ?	• 3							3.3	5.0
NNW	.7	3.0	• 7								4.3	4 , 9
VARIABLE	· · · · · · · · · · · · · · · · · · ·	•••••	•••••			• • • • • • • • • •	• • • • • •	• • • • • • • •	· · · · · · · ·	• • • • • • • •	• • • • • • • •	
CALM		////////	1111111	,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,	,,,,,,	,,,,,,,,		,,,,,,,	3.9	111111
TOTALS	15.7	53 • 8	22.0	4.6							100.0	5.5
						<i></i>				• • • • • • •		

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOLRLY OBSERVATIONS

	• • • • • • • • • •	• • • • • • •		• • • • • • •	u I i	O SPEED	IN KNOTS		• • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • •
RECTION 1			7-10		17-21	22-27	28-33	34-40				TOTAL	ME AN
N	. 7	1.0	•••••	•••••	•••••		•••••	•••••		• • • • • • • •		1.7	3.2
NNE		1 . 3	. 3									1 . 7	6.0
NE !	• 3	2.0	1.0				•					₹. ₹	5.0
ENE !	• 3	1 • 3	1.3	• 3								3.3	7.0
E Ì	1 • 0	2.6	. 7									4.3	4.9
E SE	3.6	8 • 6	. 7	. 7								13.5	4.4
SE .	2 • 3	9.9	3.6	. 3								16.2	5.2
SSF	+ 3	4 . 3	2.6	. 3								7.6	6.3
s		4.5	3.6	1.0								8.6	7 . 3
SS#	1.5	3.0	3.0	. 7	• 3							7.9	7.0
Sw	• 3	2.3	1.0	. 3								4.0	6.5
KSW	• ?	2 • 3	2 • 6	. 3	• 3							5.9	7.7
	1.7	1.7	1.7									5.0	5.5
FNA	1 • 7	1.7	1.0	. 7								4.5	5.9
NW I	• !	2 • 3										2.6	5.0
No.	. 7	4.0	1.0									5.6	4.9
ARIABLE		• • • • • •	•••••	• • • • • • •			•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••••	• • • • • • •
1	,,,,,,,,,,	///////	11111111		1111111	(111111	,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	4.3	,,,,,,,
OTALS 1	14.5	51.6	4.1	4.6	.7							100.0	5 .6

TOTAL NUMBER OF OBSERVATIONS: 302

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOLRLY OBSERVATIONS

TION NUMBER	•								MCNTH:		HOURSILS	-87 1): 0600-	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • • • • •
DIPECTION I	1 - 3	4 -6	7-10		17-21	22-27	28-33	34-40	41-47		GE 56	TETAL	WIND WE AN
r. ]	. !	1.0	•••••	• • • • • • • •	•••••	• • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	1.3	4.0
PINE		• 7										. 7	5.0
NE	• ?	• 7	• 3	. 7								2 • 0	7.7
FNE		2.0	• 7									2.6	5.5
£	1 • ?	2 • 6	1.0	• 3								5.3	5 . 4
r SE	2 + 3	6.4	1 • 3	• 3								10.6	4.8
SF I	3.€	9.9	5.3									18.2	5.5
S S E	1 • 3	4 • 6	3.0	. 3								9.3	5.9
s į	• ?	4.0	3 • 6	1.0								8.3	7.0
S S ¥		3 • 6	3.6	• 7								7.9	7.5
Sw I	• ?	2.6	1 • C									4.0	6.0
W S W		3.0	1.7		• 3							5.0	7 • 1
• j	2.	4 . 3	2.0	• 3								8.6	5.5
N N A	. 7	1 • 7	1.0	. 7								4.0	6.8
NW I	. 7	2.3										3.0	4.4
ti Nac	. 7	2.0	1.0	• 3								4.0	5.7
VARIABLE [	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •		· · · · · · · · · · · · · · · · · · ·	• • • • • • • •	• • • • • • •	•••••	• • • • • • • • •	
CALM .	(1/1/1/1/	,,,,,,,	1111111	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	5.3	111111
TOTALS	13 . 2	51 • 7	24.8	4.6	• 3							100.0	5.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY ORSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0900-11CC

									MUNIH:	MAK	HOURSILS	11: 0400-	1166
DIRECTION   IDEGREEST	1 -3	4-6	7-10	11-16	ыI) 17-21	22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TCTAL 3	ME A N
N .	. 4	. 4	.4		• • • • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • •	•••••	1.1	5.3
NNE		. 4	. 4									.7	7.0
NE 1	. 4		. 7	. 7								1.8	8.8
F NE	. 4	1.1	. 4									1.8	4.4
E	. 4	2.5	. 4									3.2	5.6
ESE	2 • 9	5 . 4	. 4	. 4								9.0	4.5
SE	2 • 5	10 • 8	6.1	. 7								20.2	6.0
SSE	1 • 1	4 • 3	1 • 4	. 4								7.2	5.5
s	. 7	4 • C	4 . C	. 7								9.4	6.8
55.	1 • 1	4.0	2.9	2 • 5								10.5	7.4
S in	. 7	1.4	1.1	1.1	. 4							4.7	8.4
W S W	1 - 1	2 • 9	1 • 1	. 4								5.4	5.6
w j	. 7	5 • 1	2.5	. 4								8.7	6.0
WNW	. 7	1.4	. 4	. 7								3.2	6.4
NW	. 7	• 7	. 4									1.9	4.8
NNW	. 7	3 • 6	1.4	. 7								6.5	6.3
VARTABLE	•			•••••	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	
CALM .	,,,,,,,,,	////////	,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,,	111.411	,,,,,,,	,,,,,,,	,,,,,,,	4.7	,,,,,,
TOTALS	14 . 4	48.0	23.8	8.7	. 4							160.0	5.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND LIGHTLY VERSUS WIND SEELD FROM MOLRLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 74-87
MONTH: MAR HOURSTESTE: 1230-1430

   IPECTION   DEGREES!	1+3	4-6	7-10	11 - 16	17-21	22-27	28-35	54-40	41-47	44-55	GE 56	TETAL	ME AN WINU
N I	• • • • • • • • • • • • • • • • • • • •	• • • • • •	1.3				••••••		• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	1.7	9.2
NNE Î		. 7	.7									1.3	6.5
NE !		. 7	• 3	• 3								1.0	۰.0
ENE I		. 3	.7	. 3								1.3	я.5
E I		2 • 6	1.0	1.0								4.6	e .o
ESE		2 • 6	1.3									4.0	6.2
2F	1 • 2	9 • 3	5 • 3	. 3								16.2	6.4
S S E	1 - 0	4 • 6	2.6	. 3								8.6	6.0
s i	. 7	5 • 3	3.6	1.0								10.6	6.8
SSW I	1.3	3 • 0	4.6	1.7								13.6	7.8
sw	1 - 2	1.0	1.7	• 3								4.3	6.5
WSW !	1.0	2 • 6	2.6	1.0	. 7							7.9	7.8
w }	1.0	6 • 6	2.6	. 7								10.9	6.1
unu !	1 • 0	3 • 0	2.0	. 3								6.3	5.6
NW .	. 7	1.3	1.7	1.0								4.6	8.1
NNW	• 3	• 7	1.7	• 3								3.0	7.1
ARIABLE	• • • • • • • •	•••••	•••••	•••••	•••••	•••••	••••••	,	• • • • • • • •		•••••	•••••	•••••
ALM !	,,,,,,,,,,	//////	,,,,,,,,	///////	,,,,,,,	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,,	3.0	//////
IOTALS 1	9 . 6	44 • C	33.8	8.9	.7							100.0	€.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM FOURLY OBSERVATIONS

PERIOD OF PECUPO:

100.0

6.7

STATION NUMBER: 225500 STATICK NAME: ARKHANGELSK USSR

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN WIND IDE GPEEST | ...... 2.6 2.0 8.0 • 7 1.3 0 · 0 NNE . 7 • 3 • 3 C. 9 . 3 ٨E 2.6 6.8 ENE 2.3 . 3 ٤ . : 1.7 2.3 . 3 4.6 7.7 ESE . 7 . 3 2.6 6.8 1.0 12.3 SE 1.7 7.0 2.6 SSF 7 . 3 3 • C 12.3 1.0 s 3.3 4.6 . . 1.0 7.7 1.0 5.0 . 3 554 4 . 6 . 7 Sal 2.0 1.0 7.2 • 3 9.9 3.3 1.3 . 7 WSW • ? 2 . ? . 3 9.6 5.2 2.0 4 . 6 1.7 3.0 2.0 . 3 5.6 6.5 HNW • 3 1.0 6.5 1.7 8.3 NW . 7 5.0 NNW 1.0 5.3 VARIABLE 1 2.0 ////// CALM

TOTAL NUMBER OF OBSERVATIONS: 362

TOTALS

0

TOTAL NUMBER OF OBSERVATIONS:

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLRLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: MAR HOURS(LST): 1830-2060 WIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34-40 DIFECTION ! 4 -6 7-10 41-47 49-55 GE 56 TETAL PE AN IDEGREES! 1 WIND 1 4.0 2.0 . 7 4 . 2 N 1.3 NNE 1.7 . 7 2.7 5.8 • 3 . 3 . 7 . 3 1.3 NE 5.0 ENE 1.0 1 . 7 1.0 3.7 5.1 E 6.7 3.7 . 7 • 7 5.0 E SE 1.7 4.0 1.7 . 3 7.7 £ .2 SE 1 . 3 7 . 7 3.0 . 3 12.3 5.58 3.3 3.0 . 3 6.9 . 3 9.3 3.3 1.0 14.0 6.4 • ? SSW . 7 6.7 6.8 . ? 5.3 2.3 4.0 7.5 1.0 . 7 SW 2 . 3 3 • C 2.3 1.0 6.3 7.7 W 5 W . . 3 2.0 1.0 6.7 6.7 WNW 1.7 .7 3 . 3 4.8 N # 1 . ? 3 • 3 2.0 • 3 7.0 5.8 . 7 WARTABLE CALM 2.7 ////// 100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY ORSERVATIONS

PER100 OF RECORD: 79-87

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

MONTH: MAR HOURS(LST): 2100-2300 WIND SPEED IN KNOTS
DIRECTION | 1-5 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDEGREES! WIND ....N . 3 1 . 7 2.6 4.3 NNE 1.0 1.0 7.3 2.0 5.7 NE. 2.0 • 3 2.3 FNE 2.3 . 7 3.0 5.8 £ 1.7 4.3 . 3 • 3 F SE 1.0 6.0 2.0 8.9 5.4 SE . 7 9.9 SSE . 7 6.2 s 1.7 5.9 5.9 . 3 2.6 1.7 . : 4.6 6.0 WSW . 7 1.7 2.6 1.0 6.0 7.0 . 7 5.0 2.6 8.3 5.7 1. \* WNW . 7 • 3 6.5 NW 2.0 • 3 • 3 6.8 NNW VARIABLE CALM 4.6 ///// TOTALS 100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM POURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSA

STATION NUMBER	2: 225500	AOITAT 2	NAME:	ARKHANGE	LSK USSR	?			PERIOD MONTH:		RD: 78- Hours(LST		ι
***********		••••••	•••••			O SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	•••••	••••••
DIPECTION (DEGREES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	4P-55	GE 56	TOTAL 2	MEAN WIND
N	, 5	1.0	.6	٥	•••••	•••••	••••••	• • • • • • •		•••••		2.2	5.2
NNE	. 1	• 9	•5	• 9								1.5	6.2
NE	. 3	٩.	•5	. • 3								1.8	6.5
ENE	. 3	1.5	. 7	• 2								2.7	6.2
£		3 + 0	. 8	. 3								4.9	5,9
E SE	1.6	5 • 3	1.1	• 3								8.2	5.0
SE	1.8	9.5	3.9	. 4								15.1	5.8
SSE	1.0	4 • 8	2.5	.5								8.8	6 • 1
S	.7	5 • 5	3.6	. 9								10.7	6.7
SSW	. 8	3 + 6	3.3	1.0	• 0	•0						8.7	7.2
SW	.7	1.9	1.3	. 4	•0							4.4	6.7
WSW	l .5	2.9	2.2	• 7	. 3							6.4	7.4
•	1.3	4.1	2.2	. 4								7.9	5.9
WNW		2.0	1.0	. 4								4.2	5.9
NW	1 .7 1	2 • 3	.8	. 4								4.2	6.1
Nhw	.7	2.5	1.1	. 2								4.5	5.5
VARIABLE	· · · · · · · · · · · · · · · · · · ·	•••••	•••••	• • • • • • • •	• • • • • • •	•••••	••••••	• • • • • •	••••••	• • • • • • •	• • • • • • • • •	••••••	
CALH	1	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,		,,,,,,,,	,,,,,,,	,,,,,,,,,	3.8	111111
TOTALS	]   12.4	51 • 0	26.1	6.4	. 3	•0						100.0	5.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 225502 STATION NAME: ARKHANGELSK USSR PERIOD OF PECORD: 78-87 MONTH: APR HOURS (LST): 0000-0200 WIND SPEED IN KNOTS TCTAL DIRECTION ! 7-15 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 ME A N IDEUPEEST | WIND N 5 • 5 2.1 1.4 9.6 6.4 2 • 7 NNE • 3 • 3 3.4 4.8 NE . 7 4 • 8 . 7 . 3 6.5 5.7 . 7 . 7 • 3 E . 7 2.7 1.0 • 3 6 . C E SE . 7 7 • 2 5 - 3 1.7 6 • B 1.0 9.6 4.9 SE 1.4 5 . 3 SSE 1.0 2 . 7 5.1 S • 3 4 . 8 • 3 . 3 5.8 5 . 3 1.0 1.4 1.0 SSW 3.4 ۶ • 2 5 1 • ! ž • 1 1.4 • 3 4.1 WSW 1.0 2 • 4 1.4 • 3 5.1 2.4 5 • 1 1.4 8.9 . 3 • 3 . 7 • 3 . 3 . 3 6.3 NNW • 3 VARIABLE CALM 100.0

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FPEQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM POURLY OBSERVATIONS

	1				₩ I	ND SPEED	IN KNOT	S					
DIRECTION (DEGREES)		4 ~6	7-1C	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL \$	ME A N
N	1.7	3.Я	1.0	. 3		•••••	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	6.8	4.9
HNE	. 3	2.1		. 7								3.1	6.9
NE		3 • 1	1.7			•						5.1	5.5
ENE	1.4	2 • 1	. 7									4.1	4.3
E.	1.0	4 • 1	1.4	. 3								6.8	5.9
ESE	1.7	6 • 2	1.4									9.2	5.0
SF	2.4	7• *	. 7	. 3								11.0	4.6
: SE	, 	3 • 8	. 7									4.5	5.7
S	1.4	2.7	1.0									5 . 1	4.9
SSW	• •	2.4	1.0	. 3								4.1	6.5
S₩	i	1.7	1.4	. 3								3.4	7.2
WSW	1.5	. • 7	. 7	. 7								5 • 1	6.1
h h	3.1	3 • p	2.1									8.9	4.7
WNW	i I	1.4	1.0									2.4	6.0
NW	. 1	3 • 1	. 7	• 3		• 3						5.1	6.9
NNW	2 • 1	4 - 1	2.7	. 3								9.2	5.6
VARIABLE	•		• - • • • • •	• • • • • • •	•••••	•••••	••••••	• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	
CALM	,,,,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,,	//// //	,,,,,,,	///////	,,,,,,,	5.9	111111
TOTALS	17.5	54 • 5	18.2	3. A		• 3						100.0	5.1

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOLRLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PEPIGO OF RECORD: 79-87
MONTH: APR HOURS(IST): 0600-0800

									MONTH:	APR	HOURSILS	11: 0600-	08 OC
	. <b></b>	•••••	••••••	•••••			IN KNOTS				• • • • • • • •		
DIRECTION   IDFGREEST		4-6	7-10	11-16	17-21	22-21	2#-33	34-40	41-47	48-55		TCTAL *	MIND REWN
N		2.7	1.0	. 7								4.7	6.6
N N E	• 3	4.1	• 3	. 3								5.1	5.5
NE	1.0	3.4	.7									5 • 1	4.9
F NE	• 3	1.7	1.7									3.7	6.4
E	1.7	2.7	1 • 4									5.9	5 • 1
E SE	1•0	5•F	1.7	• 3								A • B	5 • 3
SE	2.7	7 - 1	3.4									13.2	5.0
? SF	1.0	4 • 1	1.0									6.1	5 • O
\$	.7	2.0	1.0		• 3							4.1	6.6
S S #	) }	2.4	.7	. 7								3 . 7	7 . 3
SW	. 3	1.7	1.0	. 3								3.4	6.8
wsw	1 1 1.0	2.0	2.0									5.1	5.7
-	1.7	4.1	1.7									7.5	4.7
WNW	. 7	2.7	. 3									3.7	5 • 1
NW	1.0	2.7	1.7	. 7								6.1	6.4
NAW	1.0	4 . 7	1.4	. 7								7.8	5 . A
VARIABLE	· · · · · · · · · · · · · · · · · · ·	•••••	• • • • • • • •	•••••	• • • • • • •	•••••	••••••	• • • • • • •		•••••			
CALM	1 ! <i>!!!!!!!!!</i>	,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,,	11111111	,,,,,,,	,,,,,,,	//////	,,,,,,,	6 - 1	111111
TO TALS	f ! 14.<	51.9	21.0	3 • 7	. 3			,				100.0	5 • 3
	; • • • • • • • • • •		• • • • • • •	• • • • • • •									

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

									MONTH:			T1: 0966-	
	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	••••••	•••••	w I	NO SPEED	IN KNOTS	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • •
DIRECTION   (DEGREES)	1 -3	4 -6	7-15			•	28-33					TOTAL 2	ME A N
N ]	. 4	2 • 2	.7	1.5	•••••	•••••	••••••			• • • • • • • • •	••••••	4.Р	7.4
NNE		• 7	1.9	• 7								3.3	c •1
NE	. 4	2 • 2	3.0									٠.6	6.5
ENE !		1.1	. 7									1.9	6 •0
i Ì		5 • 7	. 7	. 4								4 . A	5.8
E SE	1 - 1	1 • 5	1.9	. 7								5.2	6.9
\$E		7 • A	4.1	. 4								12.3	6.5
< SF	. 7	7 • 1	. 4									R . 2	4 , 7
s į	2 • 2	3 • 7	1.9	. 4								P . 2	5.3
2.5¥	. 7	i•6	.4	. 4								4 • 1	5.6
Sa i	1.5	. 4	1.9	. 4								4.1	6.7
wsw i	1 + 1	ĩ • 6	. 7	. 7								5.2	6.1
· į	1.	4 . A	2.2	. 7								9.3	5.9
12 No. 0	1.5	4 - 1	.4	. 4								6.7	4.7
NW I	. 7	3 . 7	1.9	. 4								6.7	5 . A
NNK	. 4	٦•١	2 • €	1.9	. 4							8 • 2	8.4
VARTABLE		•••••	• • • • • • • •	• • • • • • •	•••••			• • • • • •	•••••	• • • • • • •	••••••	••••••	
CALM !	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,,,	,,,,,,	11111111	,,,,,,,	,,,,,,,	1.5	111111
TOTALS	12.6	51 • ?	25.3	9.9	. 4			•				100.0	6.2

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM HOLRLY OBSERVATIONS

STATION NUMBER: 225535 STATION NAME: ARKHANGELSK USSR

PEP100 OF RECORD: 74-87

MONTH: APR HOURS(LST): 12-7-1400

• • • • • • • • • • •	• • • • • • • • •	• • • • • •	• • • • • • • • •		u I N	n seffn	IN KNOT	• • • • • • • • • • • • • • • • • • •	• • • • • • •		•••••	• • • • • • • • •	• • • • • • •
IRECTION   DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL \$	ME AN WIND
١.		1.4	3 • C	. 7				• • • • • • • • • • • • • • • • • • • •	• • • • • • • •			5.4	7.6
NNE		1.4	1.4									2.7	7.8
NE		• 7	1.4	• 7								2.7	9.0
ENE !	• ?	1 . 7	• 3									2.4	5.4
E !	• !	1.4	1.0	. 1								7.4	7.8
ESE		• *	1.4	. 1								2.4	9.7
SE !	• 3	3.0	4.4	1 • C	• 3							9.1	<b>.</b> ₽ • U
38.2	. 7	3.0	2.7	. 7								7.1	6.A
s	1 • 7	5 • 1	1 - 4	. 3	• 3							Р.А	5.8
SSW	• 3	2.0	1 • 7	• 3								4.4	6.8
Sar I	1.0	1.7	1.4	. 7	• 3							5.1	1.7
H24	. 7	3 • 7	2.4	• 3								7.1	6.7
• j	1.7	£ • 1	1 • 7									9.5	5 • 1
una	1.0	4 . 7	2 • 4	2+0								10.1	7.4
No.		5 - 1	3.4	1.4	1.4							11.1	A . 2
14 N ia	• !	2.4	4.1	1.7								9.4	€.5
VARIABLE 1		• • • • • •	· · · · · · · · · ·	•••••		•••••	•••••	• • • • • • •			• • • • • • • • • •	• • • • • • • • •	
i	,,,,,,,,,,		,,,,,,,,,		11111111	,,,,,,,,	11111111	,,,,,,,,	,,,,,,,,	///////	,,,,,,,,	• 3	,,,,,,
TOTALS	8.8	43.6	33.8	11.1	2.4			,				100.0	7.2

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM FOURLY ORSERVATIONS

	•••••		•••••				IN KNOTS		• • • • • • • • •		•••••	•••••	
DIRECTION   IDEG¤EESI	1-1	4-6		11-16	17-21	22-27	2F-33	34-40				TCTAL 3	ME AN WIND
, ,		1.7	3.4	. 7	•••••	•••••			• • • • • • • •	••••••		6.1	A . 2
NNE		2.7	1.7	1 • C	. 3							5.8	8.3
NF I	• 3	1.0	1.0									2.4	6.0
F NE	• !	• 7	• 7									1.7	5.2
ŧ į́		1 • 7	1.4	. 3								5.4	° .0
ESF Z	• !	2 • C	1.4	• 3								4 • 1	7.0
SE I		3 • 7	4 - 1	. 3								8.1	7.0
555	• *	3 • 1	1.4	• 3								5.1	6.7
s i	1.5	4.1	1.0	1.0								7.1	6.0
esw i	. 7	1 . 7	3 • 7	• 3								6.4	7 • 3
S.a.		1.4	1.4	• 3								3.1	7.6
ws#	• *	2.4	1 • C	1 • C								4.7	8 + 1
• į	• *	5 • 1	2.4	1.0								8.8	6.6
<b>6 Na</b> 1	. '	2.0	3 • 1	1.0			. 3					6 . R	8.9
Na j	. 1	3.4	6 • A	5 • 8	• 3							16.6	9.6
Partie and	1.0	2.7	4 • 1	1.0								8.8	7.2
VARIABLE I		• • • • • • •	••••••					• • • • • •		• • • • • • •	• • • • • • •	••••••	
i		,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	1111111	,,,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	1.0	,,,,,,,
TCTALS	5.0	39 . *	30.3	14.6	.7		• ?					100.0	7 .6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIFFCTION VERSUS WIND SELECTION FROM HOLRLY ORSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECOPD: 75-A7
MONTH: APR HOURS(EST): 1830-2666

IFECTION 1	1 - 3	4 - L	7-16	11-16	17-21	22-27	IN KNOTS 28-33		41-47	49-55	6E 56	TCTAL	MF & N
EGREES!	<u>, - 3</u>	<b>4</b> -0				-	 	34-40	41-4/	4 7 7 5 5	υς 11 <b>6</b>	3	-1 \ L
١ ١	. :	2 • 4	2.1	1.0								٤	7.5
NNE	• !	1.7	2.4	. 3								4.2	7.1
NE		1 • 4	1.0									2.	٠.6
ENE		2.1		• 3								2.4	6.3
£ į	. 7	1 • 4	1.0	. 7								٠.۵	7.1
ESE	, 1	2 • 1	1.7									4.1	*.*
2E	1 • 0	6 • 5	2.4	• 3								10.1	٠.,
SSE	• 3	2.1	. 7	. 7								7.0	, ·c
s	1.5	4.1	1.0									6.2	¢. ₊r,
SSW	• ?	1 • 4	2 • 1	1 • 4								5.2	F . C
Sw I	, *		. 3	. 3	. 3							1.4	1C.A
wsw i	1 • 1	1.7	• 3	1.0								4 - 1	e.5
· j	. 1	3.4	1.0	• 3		• 3						5.2	6.3
WW	1.5	3 • 1	1.7									۲. ۵	4.5
No.	1.7	7.9	8 • 2	2.4	. 3							27.5	7.5
NN# )	1.0	4.5	2.4	2.7								10.7	7.8
ARTABLE I	• • • • • • • • •	• • • • • •		• • • • • • • •	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • •	•••••	• • • • • • • • •	
1	.,,,,,,,,,	.,,,,,,	11111111	11111111	,,,,,,,	1111111	,,,,,,,,	//////	,,,,,,,,	,,,,,,,	11111111	2.7	,,,,,,
01465	10 • '	45.7	24.5	11.7	.7							150.0	6.7
UIALS	10.	45.7	24.5	11.7	• 7	• 3						150.0	€.

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIPECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

MONTH: APR HOURS (LST): 2100-2306 WIND SPEED IN KNOTS
DIRECTION 1-3 4-6 7-10 11-16 17-21 22-27 29-33 34-40 41-47 44-55 GE 56 TCTAL HERN IDEGREES! | wIND N | 4 2 1.0 5.1 1 - 7 6.8 NNE . 7 1.0 . 3 3.1 5.1 6.0 . 7 NE 1.0 3.1 4 . P 4.7 ENE 3.4 . 7 • ! 4 . 8 ε . : 1.4 3.1 4 . 0 5.7 1.0 ESE 4.4 1.7 . 3 7.5 4.5 SE . 7 . 7 • 3 5.6 5. S.F 4 - 1 . 3 • 3 5.1 5 1.0 5.2 SSW ..C 2.4 • 3 5.5 t.3 SW • 7 2.7 5.0 WSW 1.4 • ! 3.4 • 3 5.5 6.1 1.4 3.4 . 3 5.1 4 . 7 WAW . 7 • ? 5.5 4 . 9 5 . C NE 6.1 1.7 . 3 5.5 NAME 1.7 6.0 VARIABLE CALM 4.8 ///// TOTALS 63 . 5 17.7 4.1 100.0 5.3

PERCENTAGE FREQUENCY OF OCCURRENCE UF SURFACE WIND DIRECTION VERSUS WIND SPEEU FROM POLICLY OBSERVATIONS

TION NUMBER									MONTH:		HOURS ILS	-87 T): AL	L
) DIFECTION   ODEGREEST	1 • 3	4-6	7-10	11-16	17-21	1D SPEED 22-27	IN KNOTS 28-33	34-40	41-47	49+55	GE 56	TCTAL	ME AN WIND
N .		3 - 1	1.9	. 9	*****		••••••	• • • • • • •		••••••	•••••	6.5	6.9
NNE I	• 3	2.3	1.1	. 4	• 0							4 • 2	6.9
NE I	. 5	2.5	1.2	• 1								4.3	5.9
E NE	. 4	1.9	• 7	• 1								3.1	5.4
E	•€	2 • 6	1.2	. 3								4 • 7	6.2
E SE	۹.	3 • 7	1.6	• 3								6.4	5.9
SE !	1 • 1	6 • ?	2.6	. 3	• 3							10.2	5.8
S S E	. 6	3 • 7	1.1	. 3								5.6	٠.7
s !	1 • 1	3 • 7	1.1	• 3	• 1							6.2	5.5
SSW	. 4	1.0	1.6	• 6								4.6	7.0
S⊯ [	• <del>t</del>	1.2	1.2	• 3	• 1							3.4	7.0
wsw		2.6	1.2	• 6								5 • 3	6.4
- !	1.4	4.5	1.6	. 3		• ^						n.n	5.4
HNH J	• 7	5.2	1.2	. 4			• C					5.6	6.2
N#	. 7	4.7	3 • 1	1.5	• 3	• 1						9.9	7.5
466	• c	4 • ٢	2.4	1 • 2	.0							8.5	6.9
 	· · · · · · · · · · · · · · · · · · ·			· • • • • • • •	•••••				• • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • •
VARIABLE   CALM	,,,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,;,,,	,,,,,,,	,,,,,,,	,,,,,,,	3.4	,,,,,,
TOTALS	11.5	51 • 6	24.8	7.9	• 6	.1	. c					100.0	6.1

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

TION NUMBER	225500	STATION	. NAME:						MONTH:		HOURS (LS	-87 11: 0000-	0200
I DIPECTION I		4-6	7-10		₩ I		IN KNOTS 28-33	,	41-47		GE 56	TCTAL	ME A N
(DEGREES)												1	MIND
۱ ۱	1,3	5 • 2	1.0	• 3		•••••				••••••		7.9	5.3
NNE	1 • 3	4 • 3	. 7	• 3								6.6	5.0
NE		3 . 3	1 • 3									4.6	6.1
ENE	. 7	3.9	1 • 3									5.9	5 • 2
£	1.0	6 • 6	1.0	• 3								8.9	5.0
FSE		7 • 7	1.0									8 • 2	5.2
sr l	1.5	6 • 6	1.6									9.5	5.4
2 S E	1.0	2.0	2.0									4.9	5.7
s į	1.0	2.6	. 3									3.9	4.2
S S W	. 7	1.0	1.6	. 3								3.6	6.5
SW		2.0	. 3	. 3								2.6	6.5
NSW !	1.0	2.3	. 7									3.9	5.0
	1 • 6	3.0										5.6	4.0
knw I	. 7	1.6	. 7	1.6	. 3							4.9	8.7
Nw I	1 • •	5 • 6	.7	• 3								9.2	4.8
Nw 1	. 7	3.9	. 7	• 3								5.6	5.4
VARIABLE	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • •	•••••	•••••	•••••	•••••	• • • • • • • • •	• • • • • • •	•••••	•••••	•••••
CALM !	,,,,,,,,,	///////	,,,,,,,,	11/////	1111111	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	5.2	111111
TOTALS	13.4	62 . 3	14.8	3.9	• 3							100.0	5.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBE	R: 225500	S T A T 1 0 P	NAME:	ARKHANGE	LSK USS	R			PEPIOU MONTH:	OF RECOR		-87 (): 0300-	o S o G
•••••		•••••	• • • • • • • •	• • • • • • • •			IN KNOTS		• • • • • • • •				•••••••
DIRECTION (DF GREES)	1	4 -6	7-10		17-21	22-27	28-33	34-40		48-55	GE 56	TCTAL 1	ME AN WIND
N	2.3	3.0	1.7		• • • • • • • •	••••••	••••••	•••••	•••••	• • • • • • • •	• • • • • • •	6.9	4,6
NNE	2.0	5.0	2.0									8.9	5 • C
NE	1.0	2.6	1.0									4.6	4.7
E.NE	1.0	3.3	. 7									5.0	4.9
E	2.0	5.9	• 7									8.6	4.5
C SE	.7	6 + 3	2.6									9.6	5.7
SE	1.7	9 • 6	1 . C	1.0								13.2	5 .4
SSE	.3	3 • C	• 3									3.6	4.5
S	.7	1.3	.7									2.6	5 • 0
554	.7	2 • €	1.3	• 3								4.3	5.8
SW	1.0	1 - 7										2.6	4 .0
WSW	į	• 7	1.7	• 3								3.0	B • O
*	.7	2.0	• 7	• 3								3.6	5 • 8
WNW	į 1.7	1.3	1.7	1.0	. 3							5.6	7.7
NW	.7	2.3		. 3								3.3	5 • 2
NNa	į .7	3 • 3	1.7	• 3								5.9	5.8
VARIABLE	1	•••••	• • • • • • •	• • • • • • • •		•••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	
CALM	1,,,,,,,,	///////	1111111	,,,,,,,,	1111111	,,,,,,,,	,,,,,,,,,	,,,,,,	,,,,,,,,	////////	,,,,,,,	8.6	111111
TOTALS	16.0	53 • 1	17.5	3.6	• 3			,				100.0	٠, ٥
	••••••	•••••		• • • • • • • •		•••••				• • • • • • • •	• • • • • • •		
TOTAL NUMBER	OF OBSERVA	11045:	303										

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PEPIOU OF RECORD: 78-87 MONTH: MAY HOURS(LST): 066C-08CC

		• • • • • •	• • • • • • • •	• • • • • • •		ND SPEED			• • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •
DIRECTION ( (DEGREES)		4 -6	7-10	11-16	17-21	22-21	2 A+33	34-40	41-47	48-55	GE 56	TETAL	ME A N WIND
N	1.7	3.3	2.3	. 7	•••••		• • • • • • • •		•••••	••••••		7.4	5.9
NNE	• 3	2 • 7	2 • 0									5 • O	6.3
NE	2•3	2 • 7	2.0									7.0	5.0
ENE	1 • 3	5 • 7	• 3									7.4	4 .6
£	1+5	4.0	1.3									6.4	5 • 1
E SE	1.7	4.7	1.3									7.7	5 • 0
3.2	2.1	۱۰ه	4.3	. 3								15.4	5 . 4
SSE	1 • 3	3 • 7	1.3									6.4	5 • 1
s	3.0	1.7	.7									5.4	3 <b>.</b> A
2 S W	. 1	1.0	1.3									3.0	5 •6
k Z	. 7	1.7	.7									3 • C	5 • 1
WSW	• 2	1.7	. 3	• 3								2 • 3	6.0
w	2 • 3	2.3	2.0	• 3								7.0	5 • 2
WNW		1.3	1.7	. 7								3.7	8.0
NU	• •	1 - 3	1.3	1.0	• 3							4.3	9 • C
NNW		. 7	1.7	• 3								2.7	<sup>9</sup> • 3
VARIABLE	• • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	••••••
CALM	,,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,	///////	,,,,,,,	,,,,,,,	,,,,,,,	6.0	/////
10 T& L S	19 • 1	46.2	24.7	3.7	. 3							100.0	5 • 2

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

7 A - 8 7

AIR WEATHER SERVICE/MAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF PECOPO: HOURS(LST): 0900-1100 MONTH: MAY

WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 DIRECTION 34-40 48-55 GE 56 ME A N IDE GREEST | 1 WIND 3 • C 1.3 • 3 6.7 NINE 2 . 7 2.7 . 3 5.6 7.3 NE 3 • 7 1.3 5.6 5.9 2.3 ENE • 3 6.0 Ł 3.3 2.0 • 3 6.8 • 3 5.3 • 3 6.4 ESE . : 3 . 3 1.3 Sξ 1.0 13.0 6.7 • ! 7.0 4.7 SSE 6.0 • 3 5.0 . 7 5.3 5 . 7 1.3 5.6 5.2 3 . 7 SSW 1.0 • 3 6.3 4.6 SW . 7 . 7 1.3 . 3 3.0 6.9 WSW . 7 1. 1.7 4.3 6.8 1C.O 5.3 2.1 2.3 3.0 1.3 7.0 P . 1 • 3 5.3 e , 4 1.3 1.0 2 . 7 NNW 7.1 3.0 1.0 2.3 VARIABLE CALM 100.0 10 . 3 6.3

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED USAFETAC FROM POLICY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR PERIOD OF FECORD: WIND SPEED IN KNOTS

DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN LUEGREESI L MIND N 2.3 3 . 6 7.2 2.3 • 3 NNE 3 . 6 3.6 €.7 NE 4.0 1.6 ENE 1.3 1.0 . 3 4.9 6.8 1.3 . 7 E. 3 . C 3.0 7.7 E SE 1.6 1.6 . 7 9.2 7.0 SE 4.9 • 3 5 S E 2.3 . 3 7.2 6.7 4 . 6 1.3 8.5 6.6 1.7 3.0 5.2 8.4 1.3 1.6 55# 2.0 • 3 1.6 6.8 S₩ 1.3 1.3 1.0 4.9 7.7 w 5 w . 7 2.0 3.0 • 7 1 . 3 4 . 6 10.5 7,8 LNB 3.9 4.3 1.6 2.3 2.3 3.0 . 3 NW 8.5 NNW 1.3 . 3 CALM 111111 100.0 TOTALS . 7 13.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICY OBSERVATIONS

78-87

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: # MONTH: MAY HOURS (LST): 1500-17CD

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 46-55 GE 56 TOTAL MEAN
(DEGREES) | TOE GREEST | ............ N NNE 1.7 1.3 3.0 7.1 NE 1.7 1.7 . 7 3.6 8.2 ENE . . 7 . 7 2.3 7.4 . 7 2.3 1.0 4.0 5.7 E SE 1.7 1.7 3.3 7.0 SE 3 • 6 4.3 . 7 9.6 7.6 5.55 . 7 2.3 3.0 5.6 6.6 S • 3 1 . 7 1.7 1.0 • 3 5.0 8.3 . 7 554 1.0 2 - 3 2.6 . 3 6.9 7.5 S # 1.3 1.0 1.0 3.6 8 .C WSW 2.3 1.3 . 7 4.3 3 • C 3.6 2.0 1.0 2 • 0 3.3 1.0 • 3 7.6 8.2 NW 5.9 3.3 . 3 15.2 я,4 5 . 6 3 . C NNA 1.7 . 3 9.8 3.5 8.3 VARIABLE CALM .1 /////

TOTAL NUMBER OF OHSERVATIONS: 299

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM POLICLY OBSERVATIONS

TICN NUMBER	7: 225500							MONTH:		HOURSILS	-87 7): 1800-	
• • • • • • • • • •		•••••	•••••	•••••		EED IN KNOTS		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • •
DIRECTION   CDEGR <sub>E</sub> est (			. •-		17-21 22-	27 28-33	34-40			GE '6	TOTAL	ME A N
N I	1,0	3.7	2.3	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	••••••	• • • • • • •	7.0	5.9
NNE I		2 • 7	2 • 7								5 . 4	6.9
NE I		3.0	1.7								4.7	6.4
ENE	i 	1.0	• 7								1.7	6.0
E i	• ?	2.3	2.0	• 3							5.0	6.7
ESE	• 3	2 • 7	. 3								3.3	5.4
SE	. 1	3 • 7	2 • 7	• 7							7.1	6.7
SSE	.7	4 • 3	1.3								6.4	5.1
s i	1.5	2 • 7	1 • 7	1.0							6.4	6.5
SSW	• 3	• 7	1 • 3	• 3							2.7	9 • 3
Sw i	i I	. 7	1.7	• 7							3.0	6.4
# S W	• 3	1.0	1.7	. 7							3.7	8.4
<b>.</b> 1	• 7	3 • 7	2.0	• 3							6.7	5.9
HM H		4 • 7	3 • 3	• 7	• 3						9.0	7.2
NW 1	. 7	5 • 0	5.0	2.7							13.4	8 - 1
NN-e I	• 3	5.7	5.7	2.0							13.0	7.8
VARIABLE	•••••	••••••				• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	•••••
CALM !	,,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	1.0	111111
TOTALS	6.4	46 . P	36-1	9.4	• 3						100.0	6.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

DIRECTION	1-3	4 ~6							*******	• • • • • • •	• • • • • • • •	1): 2100	••••••
IDE GPEEST		· -	7-18	11-16	17-21		28-33	34-40	41-47	48-55	GE 56	T(1AL	ME A N WIND
h .	2.5	4 • 6	1.0	. 3		•••••		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	7.8	
NNE	1. 7	3.5	2.3										4.7
NE	1.0	3.3	1.3	. 3								7.5	5.5
ENE	   1.0	7.6		• 3								2.0	5.4
Ł	1   1.5	7.2	.7	• •	. 3							4.9	5 • 1
r se	i I 1.0	4.2			• 3							9.1	5.0
58	)		1.0									6.2	4 . P
SSF	1.4	3.9	1 • C	• ?								6.3	5.0
	1.0	2.3	1.6									4.9	5.6
\$	• 3	2.3		• 3								2.9	5.6
5 S h	• 3	• 3	. 3									1.0	5.3
SW I		1.6	1.0	• 3								2.9	6.2
WSW {	1.0	2 • 5	. 3	• 3					•			3.6	4.9
·	1.6	2 • 6	1.6									5.9	
WNW .		3.9	2.3	. 7									5.3
NW I	2.0	4.2	3.3	. 7	. 3							6.8	7.2
NNa 1	1.3	6.4	1.3	. 7	• • • • • • • • • • • • • • • • • • • •							10.4	6.6
1	• • • • • • • • • •			• ,								10.1	5+3
VARTABLE				******	••••••	• • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	•••••	•••••
CALM İ	,,,,,,,,,,	////////	/////////	////////	11111111	,,,,,,,	,,,,,,,,	1111111	///////	(()(()()	111111	3 . 3	/////
TOTALS 1	16.	50.7	18.9	4.2	.7			•				100.0	5 • 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OPSERVATIONS

STATION NUMBER	2: 225500	STAILON	NAME:	ARKHANGE	LSK USSI	₹			PERIOD MONTH:	OF PECOR	D: 79- HOURS(LS1		_
		• • • • • • • •	• • • • • • •	• • • • • • • •			IN MNOTS		•••••	• • • • • • •	• • • • • • •	•••••	
DIRECTION   IDEGREESE	I	4 -e	7-10		17-21	22-21	28-33	34-40		48-55	GE 56	TOTAL	ME A N
۸	1.1	3 • 7	1.9	. 3	******	• • • • • • • •	••••••	• • • • • • •	• • • • • • • •	•••••		7.5	5.7
titet		2 • 3	2.0	• 1								6.0	6.1
NE	1   .t	: • 7	1.5	• 1								5.0	5.0
f NE	1   • <del>6</del>	ê.c	. 7	• 2								4.7	5.4
Ł		4 . 7	1 • 2	• 2	• 0							6.6	5.5
L ZE	. 5	4.0	1.4	- 1								5.9	5.7
SE	1.1	5 • 7	3 • 1	• 5								10.4	6.1
5 <b>5 E</b>		3 . 4	1.6	• C								5.6	5.6
. <b>s</b>	1.0	2 • 4	1.2	• 5	• 0							5.0	5.8
5 S ¥	,     • *	1.4	1.4	• 5	•0							4.1	6.6
SW		1.4	. 6	• 3								2.8	6.6
WSW	.5	1.6	1 - 1	• 5								3.8	6.8
#	1.4	3 • 3	1.9	• 5								7.1	5.9
WNW		ž • 6	2 • 5	1.1	• 2							6.9	7 .8
Nii	7	3 . 6	2.5	1.5	• 2							8.5	7.6
N N In	i .s	3 • 6	2.5	. 9	•1							7 • 6	7.1
VARTABLE	·	•••••	•••••	• • • • • • •	•••••	• • • • • • • •		• • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •		
	   , , , , , , , , , , , , , , , , , ,	///////	,,,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,		1111111	,,,,,,,,	,,,,,,,	,,,,,,,,	3.3	111111
TOTALS	1 11.6			7.4				•				100.0	6.1
	1			• • • • • • •									

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICEY OBSERVATIONS

PERIOD OF PECORD:

2.7

5.5

5.0

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

WIND SPEED IN KNOTS
DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 4P-55 GE 56 MONTH: JUN HOURS(LST): 0900-0200 TCTAL PEAN WIND 2.4 11.9 5.1 NNE 1 • 0 1 . C . 3 5.8 5 . 3 NE . 7 . 3 5.5 3.8 5.1 1.0 5.5 1.4 ENE 7.5 5 . 1 £ 1.0 3.1 2.7 6.8 5.7 . 7 ٤.٠ FSE 1.0 . 3 10.6 5 • 1 SE 1.4 1.7 3.1 3.4 SSE . 7 4.4 5 1.5 2.1 1 • C . 3 7.4 6.0 1.0 . 7 . 3 5.4 2.5 . 3 3.8 6.1 4 . 1

. 3

TOTAL NUMBER OF OBSERVATIONS: 29

• 3

1.7

Ne

ANN

1.7

2.5

. 7

. 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOLRLY OBSERVATIONS

STATION NUMPE	P: 225500	STATION	NAME:						HONTH:		HOURS (LS	-87 1): 0300-	os uo
UIRECTION (DEGREES)	İ	4-6	7-10	11-16	17-21	10 SPEED 22-27	IN KNOTS 29-33	34-4G	41-47	48-55	GE 56	TCTAL	MEAN WIND
λ	2.7	7.9	1.7	. 3	. 3	• • • • • • • •				• • • • • • •	•••••	13.0	5.1
NNE	1.0	3 • 1	. 7	. 3								5.1	5.5
NE	.7	3.1	. 3									4.1	<b>5.</b> •3
ENE	1.4	4 . 6	1.4									7.5	4.9
E	2.1	4 . 8	1.4									8 • 2	4 . 8
ESE	! ! 2.4	<b>₺•2</b>	1.7	• 3								10.6	5.0
SE	1.0	4 + 1	1.0									6.2	5.3
SSF	. 7	2 • 1	1.4									4.1	5.5
s	1 1.4	2.7	• 3									4.5	4.3
S 5 N	! ! 1.4	2.1	1.0									4.5	4.6
S a/	1 1.4	1.7	• 3									3.4	4.2
wsw	1.5	1 • 7	1.7									4.5	5.8
	 	4.5	. 7									6.8	4.7
WNW		1.0										1.4	3,5
N%	1.4	1 . 7	. 3	. 7								4.1	5.7
R Nu	! ! . 7	2.7	1.7	. 3								5.5	6.4
VARIAPLE	!	•••••			•••••	•••••		• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • • •	
CALM		,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	6.5	111111
TOTALS	 	54 • 1	15.A	2.1	•?							160.0	4.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

PERIOD OF WECORD: 79-87 MONTH: JUN HOURS(EST): DECO-08:00 STATION NUMBER: 2255UC STATION NAME: ARKHANGELSK USSR

									MONTH:	JUN	HOURSILS	1): 0660-	90.3C
	• • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	 I ⊔	ND SPEED	IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • • •	•••••
DIRECTION		4 - E	7-10	11-16	17-21	27-27	28-33		41-47	4 = -55	GE 56	T(TAL 2	ME AN MINU
N	!	7.5	2.0	. 7	•••••	•••••	•••••		• • • • • • •	••••••		10.5	6.3
NNE	2.0	2.1	. 7	. 3								t. <u>.</u> ≤	4 .P
NE	2.0	1.1	1.4									1.5	4.7
ENE	1.7	2.7										٠,4	3.6
£	. 7	4.4	2.0									7 • 1	6.0
ESE	!   2.5	4.0	1.7									£ . 5	4.6
36	1.	6 • 8	2.0									٥.٠	5.5
5 SE	2.3	4 . p	1.0	. 3								9.2	ų . 7
'	1."	3.4	. 7									5 • 1	4.5
5 S m		2.4	. 7									3.4	٠.6
Sw	. 7	2 • n	1.0									3.7	6.0
W 5 W	1.4	1.0	1.0									7.4	4.8
W	.,	3 • 1	. 7									٠ . 1	4 . 7
ii Nu		2.6	1.4									3.7	€.0
Na	1.	• 7	. 7	1.4	• 3							4.1	P • A
NNW	1 	. 4	1.0	. 7								4 • 1	A * 5
VARIABLE	·	• • • • • •		• • • • • • • •	•••••	••••••	•••••		• • • • • • •		• • • • • • •	• • • • • • • • •	
CALM	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,	,,,,,,,,	///.///	,,,,,,,	,,,,,,,,	,,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,,	5.4	//////
TOTALS	 	55.4	18.0	2 • 4	• 3							100.0	5 • 2
***********	• • • • • • • • • •								<i>.</i>				

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOLRLY ORSERVATIONS

PERIOD OF RECORD:

MONTH: JUN HOURSILST): 0960-1100

AIR WEATHER SERVICE/MAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

WIND SPEED IN KNOTS 11-16 17-21 22-27 2P-33 34-4C 41-47 46-55 GE 56 TCTAL MEAN DIRECTION I IDEGREES! | DNI 7.4 1.4 1.0 3 • 1 5.0 2.4 3.4 7.4 NNE 1.7 3.4 7.0 1 . 7 ٨t E NE 7.1 1.0 5.1 . 7 . 3 6.1 Ĺ, 4.5 • ? 2 • 7 1.0 . 3 6.0 5 . A ESE 2.4 2.1 1.0 7.2 < 1 7 - 2 10.6 5.7 1.5 ذكة 4.5 4.5 1 • " 5 2 • 1 4.1 2.4 1.7 10.3 6.5 7.9 5 S W 2.7 6 . 3 . 7 4 . 1 • 3 3.4 5.8 SW 1.0 1.4 . 7 • 3 2.4 WSW • 3 1.4 • 3 • 3 6.0 5.5 . 3 - 1 2.4 5.8 WNW 3 • A 1.7 5.8 6.6 7.5 NW 2.4 4.1 1.0 8.6 ti N al 7.9 VARIABLE CALM 1.7 ///// TOTALS 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLRLY OBSERVATIONS

PERIOD OF RECORD:

78-87

AIR MEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

#IND SPEED IN KNOTS

WIND SPEED IN KNOTS

1-3 4-6 7-1C 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TGTAL MEAN DIPECTION I IDEGREES) ! DWIW 3 • C 1.C • 7 . 3 7.6 2.0 . 7 NNE 1.0 3.7 ΝE . 3 1.0 C • 4 ENE 2 . 7 • 3 ٤ 2.0 3.0 1.0 6.1 8.6 2.4 2.0 5.4 ESE . 7 7.1 3.7 ٦Ē 3.7 . 3 7.7 7.6 SSE 1.7 1.7 4.0 . 3 7.0 5 . 7 3 . 7 3 . C 1.0 8.4 6.8 554 1 . 7 1.7 . 7 7.4 Sh 1.7 2.7 5.1 1 . 7 2.0 • 3 3.7 2.0 6.3 N h 4.7 2.4 9.0 f. NW 1.0 VARIABLE ! CALM TOTALS 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICLY OBSERVATIONS

STATION NUMBER	R: 225500	STATION	NAME:						MONTH:		HOURSILS	-87 11: 1500-	1700
DIRECTION (DEGREES)	l .	4-6	7-10	11-16	WIN 17-21	1D SPEED 22-27	IN KNOTS 28-33	34-40	41-47		GE 56	TOTAL	ME AN WIND
tv		4 - 1	2.7	1.0	• • • • • • • • •	• • • • • • •	• • • • • • • • •	•••••			• • • • • • • •	8.1	7.2
NNE	.3	1.0	1.4	. 7								3.4	A • 2
۸E	!	2.4	. 3	. 7								3.4	6 . A
FNE	!	1 . 4	1 • C	• 3								2.7	7 • 3
E	! !	2.0	2.4	1.0								5.4	e • c
FSE		3.0	1.7	1.4								6.4	7.2
SE	! !	2 • 7	3 • 4	. 3								6.1	7.6
\$ SE	! .:	3 • 7	1.7									5.7	5.9
s	! ! • 3	2 • 7	1.7									4.7	6.1
SSW	.7	2.0	1.0	1.0								4.7	7.1
SW	! !	2.7	1.0	. 7								4.4	7.1
wsw		2.0	1.0	• 3								3.7	6.5
le .	.7	2.4	. 3	. 3								3.7	5.5
NAM	.7	4.4	5.1	2.0								12.2	7.9
NW	1.5	4 . 7	4.4	3.7								13.9	8.4
Ne	! !	1.7	6.1	2.4	• 3							10.5	9.4
**************************************	! • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •										
VARIABLE	1											_	
	<i>                                    </i>	,,,,,,,,	(11/1////	11111111	////////	7//////	11111111	1111111	,,,,,,,,	,,,,,,,,	,,,,,,,		/////
TOTALS	5 • 1	42.9	35.1	15.9	• 3							100.0	7.5
•••••	•••••	• • • • • • •	• • • • • • • •							• • • • • • •	• • • • • • •	• • • • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

STATION NUMBER: 2255CC STATICN NAME: ARKHANGELSK USSR

PERIOD OF PECOPD: 78-87 MONTH: JUN HOURS (LST): 1800-2000

		•••••	• • • • • • • •	•••••			IN KNOT		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • •	••••••
DIRECTION   (DE GREES)		4-6	7-1C			-	28-33				GE 56	T (.TAL 2	ME A N WIND
N	1.4	3,6	4.1	. 7	. 3	•••••	•••••		• • • • • • • •	• • • • • • • •		10.3	7.2
NNE	. 3	1.7	1.7	.7								4.5	7.7
NE	. 7	1.0	1.0									2.8	6 . C
E NE	.3	2.1	1.0									3.4	6 • 2
E	. 3	2.1	2 • 1									4.5	6.6
rse	. 3	1.7	1.0	• 3								3 • 4	6.6
Se	. 7	4 . 5	1.7									6.9	5.7
5 <b>5 E</b>	.3	6 • 2	1.0									7.6	5 • 2
s	1.7	2.0										4.5	3.7
SSW	1.4	ž • 1	1.4									4.8	5 • 3
SW		. 7	. 7	• 3	• 3							2.4	9.0
W 5 W	1.0	1.0	• 3	1.0								3.4	6.6
•	.,	1.4	. 7	• 3								2.9	6 .B
WNW		2.4	2.1	1.7								6.6	e • 1
NW		5.9	6.0	2.4	• 3							15.9	8 • 3
N.W.	¦ . ;	5 • ?	1.2	1.7								14.5	7.8
VARIABLE		•••••		•••••		• • • • • • • •	• • • • • • •		• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
CALM	! ! / / / / / / / / / /	///////	,,,,,,,,,	11111111	1111111	,,,,,,,	////////	,,,,,,,,	///////	,,,,,,,,	,,,,,,,	1.7	111111
210101	10.1	44 , ¢	33.1	9.3	1.0			,				100.0	6.8
•••••	, 	• • • • • • •		• • • • • • • •					•••••		• • • • • • •		

GLOBAL CLIMATOLOGY RRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255CC STATICK NAME: ARKHANGELSK USSR PERIOD OF RECORD: #IND SPEED IN KNOTS
UIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 49-55 GE 56 TOTAL HEAN IDEGREESI | WIND ı 11.9 1.7 . 3 5.0 NNE 1.0 4 . 1 1.0 6.1 5.0 3.1 . 7 • 3 4.4 6.5 ENE 1.4 . 3 . 3 5 • 1 4.9 E 4 . 7 1.0 ESE 1.0 5.4 • 3 4 . 1 SΕ . 7 3 . 7 . 7 5.1 4.8 SSE 4.5 5.4 4.9 1.0 . 3 • 3 5.4 5 W 1.7 . 3 • 3 6.9 2.4 . 1 . 3 1 . 4 3.1 . 7 • 3 . 7 1.4 HNU 3.1 • 3 6.1 Net 1 . 4 3.1 NAM 6.1 CALM 4.1 ////// TOTALS 100.0 5 . 1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

STATION NUMBE	P: 2255UC	STATION	NAME:						MONTH:		HOURSILS	-87 T): AL	ι
DIRECTION (DEGREES)		4-6	7-10	11-16	WIN 17-21	22-27	IN KNOTS 28-33	34-40	41-47	46-55		TCTAL	ME AN WIND
N	1.2	5.5	2.0	. 7	• 2	******	•••••		• • • • • • • •	• • • • • • • •		9.7	6.1
NNE	. 7	2 • 6	1.4	. 4								5.0	6.2
NE	.5	2.3	. 9	• 2								3.9	5.9
FNE	9	3.1	.8	. 1								5.3	5 • 2
E	. 6	3 • 2	2.0	. 3								6.1	6.3
E SE	.9	4 . 3	1.4	٠.5								7.2	5.6
ŠŁ.	.7	4 . 3	1.8	. 1								7.0	5.9
SSE		3.4	1.2	1								5.5	5.3
S	1 1.1	3.2	1.1	. 3								5 • 8	5.5
554	l   .7	2.1	1.2	• 3								4.4	6.0
Sw		1.7	. 9	• 3	•0							3.5	6.7
M 2 M	1	1 . 6	.9	• 3								3.6	5.8
•	! ! 1.4	3.2	.9	. 1	•0							5.7	5.1
u NV	1	2.0	2.1	• 8	. 1							6.2	7.3
Na	I I 1.C	3.2	3.1	1.4	. 1							8.8	7.6
NAM	i	3.9	3.2	1.1	.1							8.9	7.4
	i ••••••••												
VARIABLE												•••••	
CALM	İ <i>,,,,,,</i> ,,,	///////	11111111	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	//////	11/1////	///////	,,,,,,,	3.4	111111
TOTALS	13.1	50 • 7	25.0	1.2	• 6			•				100.0	6.0
•••••	••••••	• • • • • • •		• • • • • • • •	•••••						• • • • • • •	• • • • • • • •	

GLOHAL CLIMATOLOGY BRANCH USAFETAC

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PER100 OF RECORD: 78-87 MONTH: JUL HOURS(LST): 0000-0200 DIRECTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GE 56 TGTAL MEAN ž. MIND 2, ! 1.6 13.5 4.8 NNE 2 . 3 8.9 2.3 13.5 4.9 NF 1 . 3 . 7 7.6 4.8 ENE . 7 5.6 4.5 ε 5 . 6 . 7 . 3 8.2 5.0 FSE 3.9 ٠,7 . 3 5.3 SE . 7 5 . 3 1.0 6.9 SSE 1.[ 1.6 . 7 4 . 4 5 1 - 3 1.3 • 3 3.0 3.8 SSW 1., 2.6 • 3 4.3 Sw . : • 7 1.6 5,5 WSW 2.7 4.3 . , 3.6 . 7 4.5 5.4 2.0 1.6 . 3 3.8 NH 1.0 3.0 . 7 4.6 4 . 4 NNW VARIABLE CALM 11.8 \*\*\*\*\*\*\*\*\*\*\*\*

PERCENTAGE FREQUENCY OF OCCURRENCE UF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICE OBSERVATIONS

PERIOU OF PECORO:

7.8 /////

100.0

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN WIND (DEGREES) . 3 13.4 N 2. ! 9.4 1.3 5.1 10.4 5.0 LNE 1.0 8.1 1.3 1.0 2.7 1.0 4.2 5.1 NE 4.9 ENE . 7 3 . 3 • 3 . 7 5.5 Ε 1.0 10.1 4.6 5.50 1.6 6 • 4 • 3 8.5 4.5 5.0 4.2 1.3 5.3 SE • ? . 7 . 7 4.6 5.1 3.3 SSE 2.3 3.5 s 1.6 2.6 5.0 554 2.6 2.0 3.5 4.4 5 🖦 1.0 • 3 2 - 2 3.9 4.3 WSW 1 . ! . 7 2.0 . 7 3.6 5.1 4.9 1.0 • 3 2.3 3.9 1.0 2.0 . 7 • 3 5.0 HNW . 7 4 . 6 VARIABLE

TOTAL NUMBER OF OBSERVATIONS:

10.1

CALM

FOTAL NUMBER OF OBSERVATIONS: 302

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

									MONTH:		HOURS (L S 1		
	• • • • • • • • •	• • • • • • • •	*****	• • • • • • • •			IN KNO 15		• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • • • •
DIRECTION   IDFGREES)	1 - 3	4 -6	7-10		17-21	22-27	29-33	34-40				TCTAL	MEAN
Ν [	1.7	6.6	1.7	.7	•••••			• • • • • •	• • • • • • • • •			12.6	5.5
N N E	, 2.1	5.0	2.0	. 3								9.6	5 • 2
NE .	. 1	5 • 6	. 7									7.0	۵.۶
ENE .	2."	1 • 7	1.0									4 . 6	4.6
E	2.6	3•€	. 7									6.3	4.0
rst	1.7	6 • E	1.0	. 3								8.9	5.2
SE	1 • 7	5.0	1.3									7.9	5.0
SE	1 • 3	2.~	1.3									4.6	4.9
s	1.7	1.7	. 7									3.0	4.7
. s s	1 • ?	2 • 6	. 3									4.3	4.9
Sw	1.'	1 . 7	. 3									3.3	4 • 2
wsw	. 1	3 • ^	. 7									4 . 3	5 • 1
- į		2 • 3	1.0									4.3	5.5
NNW	1.,	3.0	. 7									4.0	4.8
NW I	1	1.5		• *								2.3	4 - 3
NN4	1.0	3.5	1.7									6.3	r +2
VARIABLE	•	•••••	•••••	• • • • • • • • •	•••••	• • • • • • •		• • • • • •	•••••		• • • • • • • •	•••••	••••••
CAL"	,,,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,,	1111111	,,,,,,,,	,,,,,,	///////	//////	,,,,,,,	7.3	/////
TOTALS	٤١٠، ٢	55 . 0	14.9	1.7								100.0	4.6

PERCENTAGE FREQUENCY OF OCCURRENCE UF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY ORSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 79-87 MONTH: JUL HOURS(LST): 0900-1100

		• • • • • •		• • • • • • • •	w I	ND SPEED	IN KNOT	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	
DIPECTION		4 -6					28-33	34-40	41-47	40-55	GE 56	TC TAL	ME AN
N	. 7	5 • 6	2.0	• • • • • • • •		•••••	•••••	• • • • • • • •		• • • • • • • •		8.2	6.0
NNE	!   .:	6 • 6	2.6	. 3								9.8	6.1
NE	l ! .7	2.0	1.3									3.9	5.7
ENE	l l 1.5	1.7	1.3									3.6	5.8
ŧ	; ; . (	2.6	1.C									4.6	<b>.</b> •0
£ SE	   1.,	3.5	. 7									4.9	4.5
5.6	1	4.9	3.C	. 7								я.9	6 . R
3 5 8	1	4.0	2.0	. 3								я.5	5.5
5	1 1.5	3.3	.7									4.9	4.7
: Sw	i I 1.t	2.5	.7									4.3	4.5
. sw	, , , , , , , , , , , , , , , , , , ,	1.7	1.6	. 7								4.3	7.1
	1			• /									-
m 2 m	1.7	2.0	• 3									₹.6	4 . F
	1 3.5 1	4 • *	2.0	• 3								9.5	5.n
WNW	! .! !	3.0	1.0	• 3								4.6	5.9
NW	1.	2.5	1.6	• 3								5.2	6.0
NNw	1.5	4 . 6	2.3	• 3								A.9	5.6
VARIABLE	• • • • • • • • • • • • • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • •			• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	
	!		(())	11111111	,,,,,,,	,,,,,,,,,		1111.111	,,,,,,,,	,,,,,,,	,,,,,,,,	2.3	111111
10 TALS	] 	53 • !	23.9	2.3	, ,							100.0	5.5
,,,,,,,	i ***											100.0	

GLOGAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM MOURLY OPSERVATIONS

ITION NUMBER									MONTH:		HOURS (LS	11: 1200-	14 00
	• • • • • • • • •	• • • • • •	•••••	• • • • • • •	u T	ND SPEED	IN KNOTS			• • • • • • • •	• • • • • • •	• • • • • • • • •	••••••
DISECTION   IDEGREES)	1-3	4 -6	7-10	-	17-21	22-27	2 - 3 3	34-40	41-47		GE 56	T(TAL %	MIND
N [	. 7	6.9	3.3	•••••		•••••	••••••		• • • • • • • •	• • • • • • •		10.9	5.8
NNE	. 7	2.(	2.3	1.0								6.6	7.2
NE I		٠٠٠ ذ	1.0	• 3								4 - 3	6.9
ENE !	• 2	. 7	1.0									2.0	7.0
	, 1	1.3	1.0	• 3								3.0	6.7
6.5E	• 3	2.7	1.7	• 3								4.6	6.6
SE !	1 • "	4.3	2 • 3	. 7								8 . 3	6.4
SSF	• ?	2.3	2 • 3	• 3								5 . 3	6.9
5	. 1	3.0	2.0	• 3								5.9	6.0
SSE	. 1	3 • ₾	1.7	. 3								r, • 6	5.8
S 16	. 1	2.0	. 7	• 3								3.6	5.8
wsw	1 • [	1.0	.7									2.6	4.5
	1 - 3	t • 6	3.0	. 3								10.2	٠.5
NNA .		3.6	3.6	1.0								я.3	7.7
NW I	. 7	4.3	2.6	. 7								8.3	6 • P
rinu [	. 7	4.7	4 . C	1.9								9.9	7.3
VARIABLE	• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	•••••		•••••	,	• • • • • • • •	• • • • • • •	•••••	• • • • • • • •	
CALM	,,,,,,,,,	,,,,,,	(///////	,,,,,,,	1111111	///////	11111111	1111111	,,,,,,,,	,,,,,,,	,,,,,,,	. 7	/////
TOTALS	9. :	51 + 7	32.0	6.9								100.0	6.4

TOTAL NUMBER OF ORSERVATIONS: 135

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

	• • • • • • • • •												
IPECTION   DEGPEEST		4-6	7-10		17-21	22-27	28-33	34-40			GE 56	TETAL	#€ A N # I N U
N I	. 7	6.7	3.9	. 3	•••••	•••••	••••••	• • • • • • •		••••••	• • • • • • •	11.1	6,2
NNE I	• 3	3.6	1.6	. 3								5.9	6.7
NE I	. 7	1.6	1.3	. 7								4 - 3	6.9
E NE		1.6	. 7									2.3	6.3
E [	. 7	2.0	. 7	. 3								3.6	5.6
1 2E		3.€	1.6									4.6	6.4
SE !	. 1	2.6	1.3	1.3								6.6	6.9
5 S E	• 3	3.6	1.0									4.9	5.9
5		3 • f	1.6	. 7								5.6	6.2
SSW		2.5	1.0									3.3	6.0
Su	• 2	1 • 4	1.6									3.6	6.5
wsw	1 • 0	2.0	• 3	. 7								3.0	5.7
• !	• ?	4.4	2.0	• 3								7.5	6.3
wha !	. 7	3.9	3 • C	. 7								9.2	6.6
No.	• 3	4 • 3	5.6	2.0								12.1	۶,4
NNW	. 7	4 • £	5.2	1 • G								11.5	7.4
VARIARLE [	•	•••••			•••••	•••••		• • • • • • •			•••••	• • • • • • • • •	
CAL"	,,,,,,,,,	//////	(11/1/1/	1111111	1111111	////////	,,,,,,,,		,,,,,,,	,,,,,,,	,,,,,,,	1.0	,,,,,,
TOTALS 1	6.7	52.5	32.5	7.9				,				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 302

## PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIPECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

	• • • • • • • • • •		•••••	•••••			IN KNOTS	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • •
IPECTION 1 DEGREEST 1		4 -6	7-10		17-21	22-27	26-33	34-46	41-47		GE 56	TETAL	ME AN NINU
N !		5.?	3.6	. 7	• • • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	••••••	10.3	6.8
NNE !	. ?	4 • 5	2.3	. 7								7.9	6.6
NE.		3.0	1 + 3	. 3								4.6	€.4
FAE	1 • 1	1.7	. 7									2.6	4.8
E i	• 1	; , t	. 7									4.3	· .1
FSE 1	• 1	3 • 3	• 7									4.7	ς . μ
Sr I	• !	4 • 3	2.0	. 3								7.0	5.A
< SF	. 1	2.0	1.0									3.6	5.1
5	. 1	2 • 6	.7	. 3								4.7	5.7
S S W	• 3	3.0	1.7	• 3								5.3	t • 3
Sir I	• 3	. 7		. 3								1.3	6.5
w 2 w	• ?	• *	. 7									1.3	6.0
•		3.5	1 • 3									4.3	5.8
WNE J	. 1	5 • 3	4 • C	. 7								10.3	6.5
Po set	• 1	6 • 1	7.6	1.0								15.6	7.2
*15-9 ]	1.0	5 . 6	4.6									11.3	6.3
VARIABLE	• • • • • • • • •			• • • • • • •	•••••			• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •
t	,,,,,,,,,,	1111111	11111111	1111111	1111111	,,,,,,,,,	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	1.7	111111
TOTALS	7. 2	53.6	32.8	4.6								100.0	€.2

GLOWAL CERMATOLOGY BRANCH USAFETAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERFENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

PERIOD OF FECORO:

AIR WEATHER SERVICE/MAC

MONTH: JUL HOURS(LST): 2160-2306 WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 41-47 45-55 GE 56 TETAL DIRECTION 1 MEAN MINC 1 - 3 4 -6 7-10 IDEGREES! | 1 4.3 3.6 1.0 12.4 NINE 1 • 3 7.5 2.3 11.1 5.3 4.2 7.5 ΝE 1.6 1.6 4.9 F feE • 3 4.5 5 • 6 • 3 5.9 4.6 ; 5r . 1 ٩.6 4.5 ۴ د 1.6 3.9 . 3 5.9 4.7 558 2.0 . 3 2.3 4.9 5 2.9 3.6 4.2 :.6 . 7 5.7 554 2.3 2.5 Sw 2.3 ٥.0 2 . ! 2.9 h 5 m • 3 4.7 1.0 3.6 5.2 4.0 5.3 5 - 6 1.3 9.2 4.3 7 • r 7.6 . 3 5.4 VARIABLE CALM 3.3 ///// TOTALS 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SEED FROM FOURLY OBSERVATIONS

PEPICO OF RECORD: 7P-87 MONTH: JUL HOURS(LST): ALL STATION NUMBER: 225500 STATION NAME: ARKHANGEESK USSR WIND SPEED IN KNOTS 1-7 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION ! TCTAL ME AN (DEGPEES) | MIND 5.5 11.5 Pe. 1.6 7.4 2 . 3 . 2 .0 NNE 1 • 1 5.9 2.1 . 3 9.4 5.7 NE 3.4 1.1 5.4 5.5 ٤ 1.0 4.9 ESE 5 . A 5.2 SE 4.4 5.8 . 6 1.6 7.1 5.5 SSF 2.7 1.2 4.6 5 2.5 . 7 4.3 5.0 . 1 4.0 · 3 SSW . 7 2.5 • 6 • 1 Sw 1.6 . 7 . 2 3.0 5.6 WSW . 7 1.8 . 5 3.1 4.8 5.4 844 6.1 NNW 6.0 VARIABLE CALM 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

STATION NUMBER: 225502 STATION NAME: ARKHANGELSK USSR

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

78-87

AIR WEATHER SERVICE/MAC

C

16

 $\in C$ 

PERIOD OF RECORD: | WIND SPEED IN KNOTS | DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 MONTH: AUG HOURS(LST): DCGD-02CD GE 56 (DEGREES) 1 WIND N 2.€ . 7 9.8 4.3 NNE 1.0 1 • 3 6.5 8.8 5.0 ΝE . 7 • 3 • 3 ENE 1 • 0 • 3 . 7 6.0 3.6 £ 3.6 5.2 4.3 4.9 ESE . 7 • 3 5.9 4.8 SE 1.3 1.6 4.2 • 3 7.5 5.4 SSE 1 . 3 3.0 1.6 6.9 5.1 S 1.0 4.2 1.6 . 3 7.2 5.9 SSW 3 . 3 . 7 SH . 7 2.0 5.0 W S W 1 - 3 1.0 2 • 3 5.6 4 .6 WNW 4 . 3 Nh 1.0 1.6 2.0 5.4 4.6 2.0 2.0 . 7 • 3 4.7 VARIABLE CALM 55 . 9 100.0 11.1 4.5

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SEED USAFETAC FROM HOLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0300-0500

	1				ωI	ND SPEED	IN KNOTS						
DE GREES!	ı	4 -6	7-10		17-21	22-27	28-33	34-40		46-55		TOTAL	ME A N
N	1.?	3 - 6.	.7	•••••	•••••	•••••	• • • • • • • •	• • • • • • •		• • • • • • •	*******	5.6	4 .4
NNE	1 • 3	2.0	1.3									4.6	4.9
NE	2.5	5.0	1.0									7.9	4.6
E NE		3 • 6	1.7	• 3								5.6	6.4
E	1.6	ۥ0	. 3									7.3	4.4
r se	2.1	4.6	. 3									7.0	4.0
SE	1.	5 • 7	2.6									9.3	5.1
SSE	1.0	3 . 2	1 • C									5.3	5 • 1
5	1.7	3.7	2.0									6.6	5.5
SSW	1.0	2.6	• 7									4.3	5 ,4
SW	<u>.</u> غ	1.3	• 3									2.0	4.7
MZM	. 7	3 • ℃	. 7	• 3								4.6	5 .4
	1.7	5 • C	. 7									7.3	4.4
WNW	1.3	1.0										2.3	2.9
NW	1 + 7	3 • 6		1.0								6.3	4.8
NNW	1+?	3 • 6	1.0	. 3								6 • 3	5 • 1
VARIABLE		• • • • • •	• • • • • • • • •	• • • • • • • •	•••••	•••••		• • • • • • •		• • • • • • •	•••••	• • • • • • • • •	
CALM	 	,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,	(1111111	,,,,,,,	,,,,,,,,	7.6	111111
TOTALS	19.2	57 • ₽	14.2	2 • 0								100.0	4.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 79-87
MONTH: AUG HOURS(LST): 0600-0800

									MONTH:	A UG	HOURSILS	11: 0600-	08 00
		•••••	• • • • • • • •	• • • • • • •	u I	ND SPEED	IN KNGTS	· • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	•••••••
O I PECTION (DEGPEES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	49-55	GE 56	TOTAL	WEAN WIND
N	2.3	5 - 3	•3				•••••			•••••		8.0	4 • 1
NNE	2.0	3 • 7										5.7	3.5
NE	!	4 • 0	1.3									5 • 3	6.1
E NE	.7	4.7	. 3	. 7								5.7	6 • C
ε	1.3	3 • 7	1.3									6.3	4.7
f SE	4.0	5 • 3	1.7									11.0	4.2
\$E	1.7	4.0	1.3	. 3								7.3	5.1
S S E	1.0	5 • 7	1.3									8.0	5 • 1
S		3 . 7	1.0									5.0	5.3
S S **	1.0	3 - 7	2.7	. 3								7.7	5.9
Sw	. 3	1.0	.7									2.0	5.7
w Sw	1.7	2 • 3	. 3									4.0	4.7
w	1.7	4.?	• 7									6.7	4.6
wNw		. 3	.7	. 3								1.7	8.0
Na	1.3	1.3	1.0	. 3								4.0	5.3
NNW		2 • 7	2 • C	. 3								5 . 3	7.0
VARIABLE	;·····	•••••	• • • • • • •				•••••			•••••		• • • • • • • • •	
	1	,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(1) (1) (1)		11 (11 (1)	11111111	,,,,,,,,,	((((()		6.3	111111
	1												
TOTALS	J 19.7	55 ⋅ €	16.7	2 • 3								100.0	4.8
			• • • • • • • • • •										

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): D900-1100

••••••		• • • • • • •	•••••	• • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4-6	7-10		17-21	22-27	28-33	34-40		48-55	GE 56	TCTAL %	ME AN Wind
N	2.3	3 . 3	1.6	• • • • • • •	******	•••••	•••••	• • • • • • •	• • • • • • • •	••••••	• • • • • • •	7.2	4,9
NNE	.3	5 • 3	1.3									6.9	5.0
NE	. 7	1.3	1.6									3.6	6.0
ENE	1.0	1.6	2.0	• 3								4.9	6.3
£	2.5	3.3	. 3	. 3	• 3							6 • 2	5.8
E SE	1.6	5 • 3	.7									7.6	5.0
SF	.7	5.9	3 • C	• 3								9.9	6.3
SSE	1.0	3.3	2 • 3									6.6	5.4
S	.7	3 • 6	• 7									4.9	4.8
S S W	.3	2.0	1.3	. 7								4.3	7.5
SW	1 .3	2 • 6	1.0	. 7								4.6	6.7
WSW	. 3	3.5	2.0	• 3								6.6	6.4
•	1 2.C	4 • 6	1.3									7.9	4.9
¥ Nы	1.5	3.7	1.6	. 3								6 • 2	5.9
Nw	1 .7	1 • €	. 7	1.0	• 3							4.3	8 • 5
NNJ	.7	2 • 6	2.3	1.0								6.6	7.5
VARIABLE	!	• ?	•••••	•••••	• • • • • • •	•••••	•••••	,	•••••	• • • • • • • •	• • • • • • • •		6.0
CALM	İ <i>mmı</i>	///////	////////	innn	1111111	ninn	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	1.3	/////
TOTALS	15.5	53.9	23.7	4.9	• 7		•••••					100.0	5.9

(

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICEY ORSERVATIONS

PERIOD OF PECORD: 79-87

HONTH: AUG HOURS(LST): 1200-1400

WIND SPEED IN KNOTS
-16 17-21 22-27 28-33 39-40 41-47 48-55 GE 56 Total STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR DIPECTION ! 11-16 IDE GREEST | WIND N . 1 2.0 NNE 2.7 . 7 . 3 4.3 5.7 ٨E . 1 2.7 . 3 • 3 4.0 1.3 ENE 2.7 6.2 Ε 1.7 7.4 2.7 1.0 5.6 r se 1 . i 2 . ? 2.0 • 3 6.0 5.9 SE 9.0 6.7 • ? 4 . 7 3.3 . 7 SSF 4.3 1.7 7.0 5.2 S . 7 2.1 3.0 . 3 6.6 6.6 SSW 1.3 1.3 • 3 4.0 Sw . 7 . 3 4.7 6.0 1.3 3 . ? . 7 . 7 5.0 6.0 3.7 WNH • ? 3.7 . 7 8.6 8.2 . 7 2.3 1.7 9.0 7.6 NW 4.7 NNW 2.3 1.7 7.9 CALM .3 ///// 100.0 6.7 . 7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM PULRLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 78-87
MONTH: AUG HOURS(LST1: 1500-1700

	•••••	•••••	• • • • • • • •	• • • • • • •		 ND CDEED	IN KNOTS	• • • • • •	•••••			••••••	•••••
DIRECTION (DEGREES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL *	ME A N
	! .3	3 . 6	2.6	•••••	• • • • • • •		••••••			••••••		6.5	6.7
NNE	!	3 • 3	1.0									4.2	5.4
NE	.7	2 • 3	1 • 3	. 7								4.9	6 ,5
ENE	! !	2.0	2.3	. 7								4.9	8.0
E	1 1.6	1.3	. 7	. 3								3.9	4.8
ESE		2 • 6	1.6									4.6	6.0
SE	1.3	2.9	3.9	. 3								8.5	6.3
SSE	.7	3 • 3	2.3									6 • 2	5.8
S	!	4.2	1.0									5 • 2	6.3
S 5 W	.3	2 • 9	2.0	. 7								5.9	7.1
SW	.7	2 • 3	1.0	. 3								4.2	6.2
WSW	.7	1.6	2 • 3	. 7								5 • 2	7.3
w	. 3	2.0	1.0	. 7								3.9	7.0
WNW	1.3	2.0	3 • 6	2.3								9.2	8 . 3
NW	:	3.9	6.9	3.9								14.7	8,7
N N A	.7	2.0	3.6	. 7								6.9	7.6
	! •••••••	• • • • • • •		•••••									• • • • • • • • • • • • • • • • • • • •
VARIABLE	1												
	[///////// [				,,,,,,,	,,,,,,,,	,,,,,,,,,,	,,,,,,,	7777777	,,,,,,,,	,,,,,,,,		/////
TOTALS	1 8.8 (	44 . 2	36.9	11.1								100.0	6.9
•••••	• • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SFEED
FROM MOLRLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

HONTH: AUG HOURS(LST): 1800-2000

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • •	·····	ND SPEED	IN KNOTS	• • • • • • • • • • • • • • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • • •	•••••
O IRECTION (DEGREES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME A N W I N D
N	1 .7	2.7	2.3	• • • • • • •		•••••	•••••		• • • • • • • •	• • • • • • •	• • • • • • •	5.7	5.8
NNE	.,	4 - 7	1.3	. 3								7.9	5.7
NE	2.0	2.0	1.3									5.4	4.9
E NE	• ?	2.3	1.7									4.3	6.2
E	.7	2.0	1.0									3.7	5.6
FSE	2.1	3 • 0	• 7									6.4	4.0
SE	.,	3 • 3	2.7									6.7	6.4
5 S E	1.0	2 • 3	.7									4.0	5.2
\$	. 7	3.0	• 3	• 3								4.3	5.4
S \$ W		1.7	1.7									3.7	6.7
S N	.7	2 • 3	1.0	• 3								4.3	5.8
h S w	!	1.0	1.0	• 3								2.3	7 . 4
W	!	2 . ?	1.3	. 3								4.0	6.5
WNW .		2.7	4.0	. 3								7.4	7.3
NW	1.0	5•0	5 • 4	2.0	• 3							13.7	7.9
NW	1.0	7 • 4	4.3	• 7								13.4	6.4
VARIABLE	· · · · · · · · · · · · · · · · · · · ·	•••••	• • • • • • • •	• • • • • • •	•••••		•••••	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • •	
	i   , , , , , , , , , , , , , , , , , , ,	///////	(///////	///////	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,,,	3.7	111111
TOTALS	]   12.7	47 <b>.</b> p	37.8	4.7	• 3							100.0	6.0
	• • • • • • • • •		• • • • • • • •									• • • • • • • •	

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICE OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEGIOD OF RECORD:

MONTH: AUG HOURS(LST): 2100-2300 WIND SPEED IN KNOTS
DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-46 41-47 TETAL 48-55 GE 56 MEAN I DE GREEST 1 WIND ..... 7.2 3.c • 3 3.5 3.6 NNE • 3 6.6 1.6 8.5 4.9 4.9 ٨E 1.6 • 3 6.9 4.0 FNE . 7 2 . 6 2.0 . 3 E 1.6 3.0 . 7 4 . 3 E SE 4 . 3 1.3 1 . 3 4.8 SE • 3 3 . 6 1.6 5.6 5.9 5 S E . 7 4 . 6 1.0 4.9 s 1.0 2.3 1.0 4.3 5.2 . 7 2.0 1.0 SSW 3.6 5.1 . 7 1.3 . 7 SW 2.6 5.0 . 3 . 7 . 7 WSW 1.6 4.8 3.6 1.0 • 3 4.9 5.7 KNW 1.0 3.6 1.0 • 3 5.9 NW 2.0 NNW 1.0 5.5 VARIABLE ! CALM 5.9 ///// TOTALS 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PLRCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 78-87 MONTH: AUG HOURS(LST): STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 ALL IDEGREES! | MIND N 1.7 1.3 . 1 4.9 . 9 NNE 4.3 1.0 . 1 6.3 5 • C . 9 NE 1.0 3.5 • Z ENE 1.4 . 4 6.4 • 0 5.1 E SE 1.7 • 0 4 . 1 1.1 4.7 5.9 . 2 SE 1.0 4 . 3 2.5 8.0 SSE . 9 3 . A 1.5 6.3 5.2 1.3 . 7 3.4 . 1 5.5 5.7 SSW . 6 2.4 1.4 . 2 6.2 SW 1.9 • 8 . 2 WSW . 7 2 . 0 1.0 1.0 1.0 5.3 WNW N¥ 2.3 7.1 6.5 VARIABLE ! CALM 4.3 ///// 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOLRLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 78-87
MONTH: SEP HOURS(LST): 0000-0200

	••••••	• • • • • • •	• • • • • • • •	•••••			٠, , , , , , , ,		•••••	•••••	******	• • • • • • • • • •	**********
DIPECTION		4 -6	7-10		17-21	22-27	-	34-40		48-55	GE 56	TOTAL	ME A N WIND
N	1.4	3.1	• 7	•••••	••••••	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••	5.2	4.7
NNE	2.7	3.1										5.8	3.1
NE	1.0	2.4										3.4	4 • 2
£ NE	1.7	1.0	• 3									3.1	3 + 3
E.	2.4	3.4	• 3									6.2	3.8
ESE	2.4	5.3	1 • 7									13.4	4.7
36		6 • 2	1.4									7.9	5.7
S S E	1.0	3.4	2.4									6.9	6.1
S	1.0	5 • 2	1.0									7.2	4.5
SSW	1.4	2 . 4	• 7	. 7								5.2	5 • 6
S₩		3 • R	1.0	. 3								5 • <i>2</i>	6.1
w S w	• 3	4.1	1.7									6.2	6.0
u	1.7	2.7	2 • 1									6.5	5.5
w Nw		• 3	• 7	• 3								1.4	8.5
NW	. 1	2.4	. 7	. 7								4.5	6.5
N.N.	• !	3.4	1 • 7	• 3								5.8	6.7
VARIABLE (	· · · · · · · · · · · ·			• • • • • • • •	•••••			• • • • • •	· • • • • • • • •		• • • • • • • •		
TOTALS					,,,,,,,	.,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,		111111
IN INLS	1ª.6	56 . 4	16.5	2 • 4								100.0	4.8
			•••••	• • • • • • • •	••••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	••••••	

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPLED FROM POLICLY ORSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEP100 OF RECORD: 78-87 MONTH: SEP HOURS(LST): 0300-0500 40 41-47 48-55 GE 56 TCTAL MEA

	, , , , , , , , , , , , , , , , , , ,	• • • • • • •	•••••	• • • • • • • • •	w I	ND SPEED	IN KNOT	s • • • • • • • • • • • • • • • • • • •	• • • • • • •	· · · · · · · · ·	• • • • • • •	• • • • • • • • •	••••••
DIRECTION   IDEGGEST		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME A N WIND
N	1.4	4.9	. 7									6.9	4 • 1
NNE	2 • 1	1 - 4	• 3									3.8	3 • 3
NE	2.4	2 • 7										5.2	3.6
ENE	. 1	1.0										1.7	3.6
£	2.7	4.5	• 3									7.6	3.6
f. SE	1.5	9.6	1.7									12.4	5.2
SE		۴.0	2 • 4									9.3	5.9
5 SE	. 3	4 . 1	2 • 4	. 7								7.6	6.6
s	1.4	3 • P	• ?	. 3								5 • A	4.5
5 S h	1•0	3 • 1	1.7									5.8	5.3
SW	. 3	1.4	3 • 1									4.8	6.9
WSW	1.7	1 • 4	3.4									6.5	5.8
<b>4</b>	1.0	ē • 4	. 7	. 3								4.5	5.4
uNu	• !	• 3	.7									1.4	6.5
Nie	• ?	1.7	1.0	. 3								3.4	7.0
NNW	2 • 1	3 • 1	2.1									7.2	5.1
VARIABLE	! • • • • • • • • • • • • • • • • • • •	• • • • • • •				•••••		• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	•••••	
	 	,,,,,,,	,,,,,,,,,	,,,,,,,,		,,,,,,,,,,,			,,,,,,,,,	(1//////		6.2	111111
TOTALS	18.9	52 • 2	21.0	1.7								100.0	4.8
•••••	 	• • • • • • •	· · · · · · · · · · ·			•••••				• • • • • • •	• • • • • • •		

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIPECTION VERSUS WIND SFEED FROM HOLRLY OBSERVATIONS

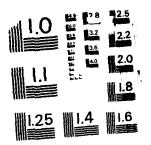
STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: SEP HOURS(LST): 0600-0800 WIND SPEED IN KNOTS
UIFECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN DEGREFS) | WIND ...... 2.1 2.8 • 3 4.0 NINE 1.7 4 . 3 2.1 . 7 4.5 1 . 4 1.0 NE 2.4 3.1 ENE 1.0 1 . 4 • 3 2.8 E . 3 1 SE . 7 6.0 2.1 9.7 SE 1.6 10.4 5.5 SSE . 7 7.6 6.1 . 7 3 . 5 . 7 4.9 5.7 4.9 554 . 3 1.7 . 3 7.3 6.4 5 ₩ . 7 2.4 1.7 4.9 .5.9 1.0 WSW 2 . B 1.4 5.2 5.1 2.4 1.5 1.7 5.2 . 1 M NW • 3 . 3 • 3 1.7 NH . 7 1.7 . 3 8.0 1.0 VARIABLE CALM TOTALS

# GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED USAFETAC FROM MOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 78-87 MONTH: SEP HOURS(LST): 0960-1100 STATION NUMBER: 22553C STATION NAME: ARKHANGELSK USSR

									MONTH:	SEP	HOURSTEST	1: 0960-	1100
DIRECTION (DEGREES)		4-6	7-10	11-16		ND SPEED 22-27	IN KNOTS 2P-33	34-40	41-47	48-55	GE 56	TCTAL 3	MEAN W1ND
N	1.5	3 • 4	• 3									4.7	4.4
NNE	.7	4 • 1	. 3									5.1	4 • 1
NE		1.0	• 3									1.7	4.4
E NE	1.4	2.4										3.7	3.8
E	1.0	2 • 6	1.7	. 7								5.4	6.5
F SE	2.4	4 . 7	1.4	• 3		•						g . a	4.4
3.2	1.7	8.4	3.7	. 7								14.5	
3 S E	1.4	3 • 7	1.0		• 3								
S	1.7	4 • 7	1.7	• 3								+ , 4	
SSW	1.0	3.0	1.0	. 3									
2 H	.3	2.7	2.7	• 3									
WSW		1 • 7	1.4										
le le	1.4	3 • ℃	1.0	• 3									
WNW	!	1.4	. 7	. 7									
Nu	. 7	1 . 7	1.7	. 7									
PiNu	.7	2.7	2.0	1.7									
VARIABLE	· • • • • • • • • • • • • • • • • • • •	•••••		• • • • • • •	•••••	•••••	<b></b>						
CALM		,,,,,,,	,,,,,,,,	1111111	1111111	,,,,,,,	111111						
TOTALS	1 15.5	56.7	20.9	€.1	. •								

AD-A190 727 2/3 UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARD 1983

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-7 28-7

DIRECTION (DEGREES)		4-6	7-10	11-16	17-21	22-27	IN KNOTS 28~33	34-40	41-47	48-55	GE 56	TOTAL	ME A N
N	. 3	2 • 8	• 7	• 3	•••••	••••			•••••	••••••		4.2	6,2
NNE	1.0	1.4	• 7									3.1	4.7
NE	į	1.7	.7									2.4	5.7
ENE	• 3	• 7	1.0									2.1	6.3
€	. 3	2.6	• 3									3.5	4 .6
E SE	. 3	4 • 5	2.4	• 7								A • 0	6.6
SE	.7	3 . €	4.8	• 7								14.2	6.4
SSE	1.4	3 • 1	2.8	• 3			:					7.6	6.7
s	. 7	3 . 8	2.4	1.4								8 • 3	7.0
S S W	. 7	6 • 2	2.1	1.0								10.0	6.2
Sw	• 3	2 • 6	1.4	• 7								5 • 2	6.8
WSW	. 7	. 7	1.0	• 7								3.1	7.1
¥	1.0	4.6	1.4	1.4								8.7	6.2
u Nu	• 3	2 . F	2.1	. 7								5.9	7.5
NW		2.4	4 • 2	1.0								7.6	8 . <b>4</b>
NNW		1.4	1.0	1.0								3.5	8.2
VARIABLE		• • • • • •	• • • • • • • • •	• • • • • • • •	•••••	•••••	•••••	• • • • • • •	•••••	• • • • • • •		•••••	••••••
CALM		,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,,	///////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	2.8	111111
10 TALS	8.1	49.8	29.1	10.0				,				100.0	6.5

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFLED FROM MOLRLY OBSERVATIONS

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STATION NUMBER	R: 225500	STATIO	NAME:	ARKHANGE	ELCK USSR				PERIOD MONTH:	OF RECOR		-87 T): 1500-	1700
•••••		• • • • • • •	• • • • • • • •	• • • • • • •			IN KNOIS		•••••	• • • • • • •	•••••	•••••	•••••
DIPECTION (DEGREES)		4 -6	7-10		17-21	22-27	28-33	34-40		48-55	GE 56	TOTAL	ME A N WIND
N	] 1.4	2 - 7	1.0		• • • • • • • • •	•••••	••••••		•••••		••••••	5.1	4.9
NNE	į	1.4	. 7									2.0	6.0
NE	1.0	1.4	• 3									2.7	4.0
F NE	.3	2 . 4	• 7									3.4	5 • 2
E	1.0	2.0	1.0									4 - 1	4.7
E SE	1.4	3 • 7	3.4	. 3								8.8	6.4
SE	.,	6.5	3.1	•								12.2	5.6
SSE	1.6	2 • 4	2.7	1.4								7.5	7 + 3
s	1.7	5 • 4	1.7	. 3								9.2	5 • 3
SSW	1 1.4	2.4	2.0	. 7								6.5	6 • 1
SW	.7	2.0	.7	. 3	. 3							4.1	7.1
wsw	,,	1.7	• 3	. 3								3.1	5.3
w	1.7	2 • C	2.7	1.4								7.8	7.1
WNW	!	2.7	3 . 1	1.7	. 3							7.8	8.9
NW	.7	3.7	2.7	1.4								8.5	7.3
NNW	!	1.4	2.4	1.7								5.4	9.4
VARIABLE	· · · · · · · · · · · · · · · · · · ·		• • • • • • • •			• • • • • •		• • • • • •	•••••	• • • • • •			
	(     <i>                       </i>												
	I	,,,,,,,	,,,,,,,,,		,,,,,,,,,		,,,,,,,,,,		******		,,,,,,,		,,,,,,
TOTALS	1 13.6	45.9	28.6	9.5	• 7							100.0	6.4
•••••	•	• • • • • •	• • • • • • • •	•••••		• • • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • • •			

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM MOURLY ORSERVATIONS

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PEP10D OF PECORD: 78-87 MONTH: SEP HOURS(LST): 1800-2000 STATION NUMBER: 2255GO STATION NAME: ARKHANGELSK USSR

•••••		• • • • • • •	•••••	•••••	I u	ND SPEED	IN KNOTS		• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4 -6	7-10		17-21	22-27	28 <u>+</u> 33	34-40		48-55	GE 56	TGTAL	WIND
N	2 • 1	3.5	•7	.3	******	•••••	••••••	• • • • • • •	• • • • • • •	•••••	•••••	6.6	4 • 6
NNE	1.4	2 • 4	. 7									4.5	4.5
NE	1.5	1.7										2 • 8	3.3
ENE	1.0	2 • 4	• 3									3.8	4 • 2
E	1.0	3 • 5	1.7									6 • 2	5 • 1
FSE		8 • 0	1 • 4	• 3								9.7	5.6
SE	1.4	4 • 2	2 • 4	. 3								8 • 3	5.7
S SE	.7	5 • 2	2.8	. 7								9.3	6 • 3
S	1.0	4 • 8	2.4									8.3	5.8
SSW	• 2	1 • 7	1.0	. 3								3.5	6.6
SW	i i	1.7	. 7									2.4	5.7
wsw	.7	1.7	1.7	• 3								4.5	6.8
¥	• 1	1.7	1.7	. 7								4.5	7 • 1
# N#	. 3	2.4	1.0	2.1								5.9	7.9
NW	1.0	3 • €	2.8	. 7								8.3	6.6
PNW	.,	4 • 8	1.0		• 3							6.9	5.8
VARIABLE	!	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	•••••	••••••	• • • • • •	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	••••••	
CALM		,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,,	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	4.5	111111
TOTALS	1   13.1 	53 • 6	22.5	5.9	• 3							100.0	5.6
•••••	•••••	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

	2255UC								MONTH:	OF RECOR	HAIIDS 11 C	-87 1): 2100-	2300
• • • • • • • • • • • • • • • • • • •	••••••	*****	• • • • • • • •	• • • • • • • •	u I I	ND SPEED	IN KNOTS	• • • • • • •	••••••	• • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	••••••
DIPECTION ( ODEGREES)		4-6	7-10		17-21	22-27	28-33	34-46			GE 56	TOTAL	ME AN Wind
N	1.0	3.7			*******	• • • • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	••••••	4.7	4.0
NNE	1.7	5.0	.7									7.4	4.0
NE		3 . 7										3.7	4.5
ENE	1.0	1 • 3	.3									2.7	4.3
E	1.0	6.0	.7									7.7	4.4
FSE	2.0	8 • 1	2.3									12.4	5.0
SE !	1.3	5.4	2.7	. 3		•						9.7	5.7
3 \$ 2	1 . 3	3 • C	2.7	. 3								7.4	6.3
s i	1 • 3	4.4	2.3	. 3								8.4	5.6
SSW	1.0	3 • C	• 3	. 3								4.7	5.0
S₩ .	. 7	2 • 3	2.0									5.0	6.3
WSW .	• 3	2 . !	1.0	• 3								4.0	6 <b>.</b> D
<b>,</b>	1.2	2 • 7	.7									4.7	4.7
WNW !	. 3	1.0	1.3	. 7								3.4	8.0
NW	1.0	2 • 7	2.0	• 3								6.0	6.0
ן שמא	• 3	2.7	1.7									4.7	6.0
		• • • • • • •		••••	•••••			• • • • • •	• • • • • • • •		• • • • • • • •		
VARIABLE													
CALM	//////////	,,,,,,,	,,,,,,,	11111111	,,,,,,,	'''''	,,,,,,,,	,,,,,,,	///////	,,,,,,,,	,,,,,,,,	3.4	111111
TOTALS !	15 . g	57 • 4	20.8	2 • 7								100.0	5.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

STATION NUMBER	R: 2255GC	STATION	NAME:	ARK HANGE					MONTH:		HOURS (LS	-87 T): AL	L
DIRECTION (DEGREES)		4-6	7-10	11-16	17-21		IN KNOTS		41-47	48-55	GE 56	TOTAL	ME AN Grid
N	1,2	3.3	•6	.1		•••••	** * * * * * * * * * * * * * * * * * * *	• • • • • • •	•••••	••••••	••••••	5.3	4,6
NNE	1.4	2 • 6	•5									4.5	4 • 1
NE	. 5	2 • 0	•2									3.0	4 • 1
ENE	. 9	1.6	. 4									2.9	4 • 3
E	1.6	3 • 7	. 8	• 1								6.4	4.4
E SE	1.7	6 • 8	2 • 1	• 2								10.4	5.4
SE	. 5	6 • 8	2.9	. 3								10.8	5 .8
SSE	1.0	3 • 7	2.4	. 4	• 0							7.5	6.4
S	1 • 2	4.5	1.5	.4								7.6	5.5
SSW	. 5	3 . 3	1.3	• 5								6.0	5.9
SW	.4	2 • ?	1.7	• 2	•0							4.6	6.5
พรพ	.,	2 • 1	1.5	• 2								4.5	5 • 9
w	1.2	2.7	1.5	. • 5								6.0	5.9
WNW	.3	1.4	1.2	. 8	• 0							3.8	7.9
NW	. 6	2.7	2 • 1	. 7								5.7	7.1
NNW	.7	3 • 1	1.6	• 6	• 0							6.1	6.6
VARIABLE	·	•••••	•••••	• • • • • • •	•••••			•••••	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	
1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,	,,,,,,,,,,		1111111	,,,,,,,,	,,,,,,,,		,,,,,,,	,,,,,,,	,,,,,,,	4.8	111111
TOTALS	1 15.6	52 • 3	22.2	5.1	•2							100.0	5.4
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICLY OPSERVATIONS

STATION NUMBE	R: 22550C	STAT101	NAME:						PERIOD Month:	OF RECOR	D: 77-		-02 cn
DIRECTION (DEGREES)		4-6	7-10	11-16	17-21	ND SPEED	IN KNOTS 28-33	34-40	41-47	• • • • • • • •	GE 56	TOTAL	ME AN
N	2.0	3.4	• • • • • • •		• • • • • • •	•••••	••••••	•••••	••••••	• • • • • • • •			
NNE	1 . 3	. 7	1.C									5.7	4.1
NE	1	1.2	. 3									2.0	6.7
FNE	į											1.7	6.0
		2.0	. 7									2.7	5.5
E		3 . 4	1.0						•			4.7	5.6
E SE	.7	3 • 7	2.0	. 3								6.7	5.8
SE	1.7	5 • 7	3.0	• 7	. 3							11.1	
\$ SE	1 .7	4 • C	4.0	1.0	. 3								6.7
5	 	3.0	2.1	• 7	• •							10.1	7.6
SSW	į .											6.4	7.7
	• 3	3.0	4.4	1.0								R . 7	7.8
SH	• 3	1.7	1.0	. 7								3.7	6.9
usw	1.7	4.4	3.4	. 7								10.1	6.3
ш	.,	1.7	2.0	• 7	• 3							5.0	-
unu	. 7	1.7	1.0		. 3	• 3							7.9
Ny I	. 7	2.0	1.7		• 3	• 3						4.0	7.8
İ	1			1.3								5.7	7.3
NNW [	. 7	4.7	1.0	• 7								6.4	6.1
VARIABLE	• • • • • • • • • • • • • • • • • • • •	• • • • • •	••••••	••••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	
i	,,,,,,,,,	,,,,,,		////////	///////////////////////////////////////	,,,,,,,	/////////			111111111	,,,,,,,	5.0	,,,,,,
TOTALS !	10 • 1	45 . 6	29.2	A • 1	1.3	•3		,				100.0	6.4
••••••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •		•••••	• • • • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOLRLY OBSERVATIONS

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STATION NUMBER: 2255CO STATION NAME: ARKHANGELSK USSR

PEPIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-05CD

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IRECTION ! Degrees)	1-3	4 -6	7-10		17-21	22-27	IN KNOTS 28-33	34-40	41-47	48-55		TCTAL X	ME AN
N !	. 7	2.0	. 3	•••••		•••••	• • • • • • • • •	• • • • • • •	• • • • • • • •	•••••	•••••	3.0	4.7
NNE I	. 1	• 7	1.3									2.6	6.3
NE !	2.0	2.0										3.9	3.7
ENE L		2.3	1.0									3.0	6.0
£	1 • 3	3.0	.7									4.9	4.4
ESE	. 7	3.9	2.0	• 3								6.9	5.6
SE		4 • 6	3 • 3	. 3	. 3							8.6	7 • 3
sse	. 7	4 • 3	5 + 3	1.3	. 3							11.8	7.9
s	• ?	2.€	3.3	. 7	• 3							6.6	8.2
SSW	. 7	5 • 3	3.0	1.0								9.9	6.7
Sw i	. 7	3.3	1.0									4.9	5.7
wsw i	1.0	1 • 3	3.3									5.6	6.7
w į	. 7	3.0	2.0	1.6	• 7							7.9	8.4
<b>UNW</b> 1	• 3		1.3	• 3	• 3							2.3	10.1
NW I	1.0	2 . 3	. 7	2.0	. 3							6.2	8.3
NNN I	. 7	3.9	1.0	. 7								6.2	6.1
VARIABLE I	••••••	•••••	• • • • • • • •	•••••	••••••		••••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	*******	••••••
CALM	////////	//////	,,,,,,,,	11111111	///////	111111	,,,,,,,,	1:11111	,,,,,,,	///////	,,,,,,,,	5.6	//////
TOTALS	11 • 2	43.4	29.3	8 • 2	2.3							100.0	6.4

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR

PENJULU OF RECORD: 77-86

MONTH: OCT HOURS(LST): C600-0800

WIND SPEED IN KNOTS
7-16 11-16 17-21 22-27 28-33 34-40 41-47 48-55 CF 54 DIRECTION 1-3 7-16 (DEGREES) | . . . . . . . . . N 3.7 5,6 . ? 2.7 . 3 . 7 . 3 NNE 1 - 3 2.7 6.5 • 3 ΝE 1 . 2 2.0 1.0 4.3 4.5 E NE 1.3 1.0 5.0 1.0 3.3 E 1.7 3 . 7 1.0 6.3 4.8 . 7 E SE • 3 3 . 7 4.7 4.7 SE 1.0 SSE . 7 7.3 5 1.0 5 5 W 3.3 3.0 7.6 . 3 3.0 1.7 • 3 6.0 w s w . 7 7.1 . . 2 . 7 1.0 1.3 2.3 1.0 7.3 . 7 WNW • 3 . 7 . 7 2.3 8.0 2.5 1.0 2.3 . 3 6.0 NW 11.2 7.1 NNW 1.7 1.0 VARIABLE CALM . 100.0 . 3 6.4

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): 0960-1160 WIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34-40 DIPECTION 1-3 7-10 41-47 48-55 GE 56 TCTAL ME AN IDEGREES! | WIND 6.7 . 4 2 . 1 . 7 • 7 3.9 . 1 NNE . 7 . 4 3.5 5.8 1.8 . 4 2.1 . 4 2.8 4.5 ٨E ENE 1 - 1 1.4 4.2 5.0 ŧ. 1.9 2 • 1 . 7 . 4 4.9 4.9 ESE 1 . 1 2 . 8 7.1 6.5 SE . 7 4 . 2 3.9 9.9 7.1 . 4 SSE 3.9 6.7 6.7 2.8 5 7.4 5.3 15.2 7.1 1.4 1.1 SSW . 7 3.2 2.8 8.1 8.0 1.1 . 4 SW 1.1 3.5 . 4 4.9 8.1 2.1 4.9 2.1 . 7 7.7 WSW . 7 1.1 2.8 . 7 5.3 7.7 WNW . 7 1.1 1.4 . 7 4.2 8.8 NW 1.4 2.1 5.3 9.2 2.8 1.8 6.9 VARIABLE CALM 3.5 ////// TOTALS 100.0

TOTAL NUMBER OF OBSERVATIONS: 263

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM FOLKLY OBSERVATIONS

STATION NUMBER: 22550G STATION NAME: ARKHANGELSK USSR PEP100 OF HECORD: 77-86 MONTH: OCT HOURS (LST): 1200-1400 WIND SPEED IN KNOTS
DIRECTION 1 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDEGREES! | MIND 1.0 1.7 1.7 • 3 6.3 NNE 1.3 . 3 1.0 1.3 4.0 6.7 NE • 7 . 7 . 7 2.0 8.7 . 3 . 7 ENE 3 . 7 4.7 Ε 2.3 .7 • 3 3.7 6.4 ESE 3.4 2.0 • 3 5.7 6.8 SE 3.7 . 7 SSE 3.4 7.0 SSW 3.7 8.7 1.7 SW 2.3 1.0 7.5 . 7 WSW 3 . 4 3.4 7.7 2.3 1.0 1.0 2.0 • 3 6.7 7.6 WNW 2.3 1.3 1.3 6.0 7.4 NW 2 . 3 3.4 1.0 9.1 9.1 NNH VARIABLE CALH 3.0 ///// 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICEY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: MONTH: OCT HOURS(LST): 1500-1700 WIND SPEED IN KNOTS 17-21 22-27 28-33 DIRECTION 4-6 7-10 11-16 34-40 41-47 48-55 GE 56 TOTAL MEAN (DEGREES) | WIND 6.3 NNE 1 . 7 . 3 . 7 3.3 6.4 NE 1.3 4 . ? 6.0 €.0 E NE 1.3 • 3 1.7 4.4 . 7 3.0 ŧ . 7 1.0 . 7 7.1 ESE • 3 3 • C 2.3 . 3 6.3 7.0 . 3 SE 1.0 4 . 3 3.7 9.3 6.5 SSE 1.0 3.0 3.7 1.0 8.6 1.3 S 6 • 3 4.7 . 7 12.0 7.1 5 S 🖢 5 • 3 2.7 1.7 9.6 7.9 SW 2 . 7 1.3 • 3 • 3 5.0 6.9 • 3 2.3 2.3 . 1 5.6 7.8 3.0 2.3 1.3 7.C 7.0 3.0 1.7 2.0 8.1 6.6 1.7 2.7 Nw . 7 1.3 . 3 . 3 7.0 9.4 NNW 1.7 2.3 . 7 7.9 VARIABLE CALM 2.0 ///// 7.2 33.2 12.0 . 7 . 3 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOLRLY OBSERVATIONS

PERIOD OF RECORD: 77-86

AIR WEATHER SERVICE/HAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

MONTH: OCT HOURS(LST): 1830-2008 WIND SPEED IN KNOTS
11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN CIRECTION 1 - 3 7-1C IDE GREEST ! WIND N . 7 2.7 • 7 • 3 5.2 . 7 NNE 1.0 1.7 . 3 3.7 5.5 NE . 7 • 3 2.0 • 3 3.4 6.7 ENE 2.4 4.3 ŧ 3.7 . 3 • 3 5.6 F SE 3.€ 1.C • 3 • 3 7.1 7.8 58 . 7 3.^ 4.4 . 3 7.1 5 S F . 7 s 4.7 . 3 7.1 3.4 . 7 4 . 4 3.4 . 3 1.0 1 . 4 2.4 2.7 . 7 1.0 . 7 1.0 1.0 1.4 2.4 1.7 • 3 . 3 2.5 I. W . 7 2.7 . 7 • 3 SNE 6.2 1.7 ////// . 3 32.1 1.4 100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: OCT HOURS(LST): 2100-2300 WIND SPEED IN KNOTS
DIFECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 48-55 GE 56 TCTAL IDEGREESI | WIND 4.9 4.5 1.6 NNE . 7 2.0 • 3 3.3 5.8 NE 1.0 ENE . 1 1.6 2.3 4 . 3 ε . 7 3.0 1.0 . 3 5.6 4 . 3 ESE 2.6 . 3 • 3 7.5 7.1 SE 4.9 3.9 . 7 6.5 SSE . 7 3.9 1.3 9.5 7.7 5 • 3 4 . 3 3.9 1.3 7.7 3.3 3.3 . 3 . 7 3.3 1.3 7.6 2 . 3 • 3 7.2 3 . 6 . 7 . 7 . 3 7.5 2 . 3 2.0 WNW 2.0 1.6 . 3 . 3 7.2 • ? NW . 7 3.9 1.3 8.5 7.3 2.6 NNW 5.5 VARIABLE CALM 2.6 ////// 100.0 30.8 6.7

TOTAL NUMBER OF OBSERVATIONS:

305

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICY OBSERVATIONS

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STATION NUMBER	2 · 225500	STATION	NAME.	ARKHANGE	ISK USSR	ı			DF D I O D	OF PECOR	): 77-	-86	
JIAIION NUMBER		3.7.20.							MONTH:		10 URS 1L S 1		L
		•••••	• • • • • • • •	• • • • • • • •			IN KNOTS	• • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	•••••
DIRECTION ( OEGREES)		4 -6	7-10	11-16	17-21	22-27	28+33	34-40	41-47		GE 56	TCTAL	ME AN
h	! . 5	2 • 2	.7	.3	• • • • • • • •	•••••	••••••	•••••	• • • • • • • • •	••••••	• • • • • • •	4.1	5.3
NNE	.7	1 • 4	.8	. 3								3.1	6.2
NE	.5	1.9	• 5	. 1	•0							3.1	5.4
FNE	. 4	2 • 3	• 5	. 1								3.0	5 • 3
£	. 9	2 • 7	.8	. 3								4.7	5.4
E SE	.4	3 • 5	2.1	. 4	• 1							6.5	6.5
SE	. 8	4 • 5	3.5	• 6	• 1							9.5	6.8
SSE	,5	4 • 3	3.7	. 8	. 1							9.5	7.4
\$	. 6	4 • 0	4.5	. 8	•0							9.9	7+3
SSW	. 3	3 • 8	3.2	1.1	• 1							8.5	7.7
Sw	.3	2 • 6	1.7	• 6	•1							5.3	7.0
W 5 W	.6	2 • 9	2 • 8	• 5	•0							6.7	7 • 1
W	.7	1.9	2 • 3	1.0	• 2							6.1	7 .8
W NW	.5	1 • 5	1.4	. 9	• 2	•0	• 1					4.7	8 • 3
NW	.5	2 • 2	2 • 1	1.5	• 2	•1	• C					6.7	8.6
NNW	.5	2 • 5	1.3	• 6								4.9	6.6
VARIABLE	• • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	• • • • • • • •	•••••	•••••			• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	
I	i ! ////////////////////////////////////	11111111	,,,,,,,,	.,,,,,,,,	.,,,,,,,	,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111	,,,,,,,,	,,,,,,,,	,,,,,,,	3.8	111111
TOTALS	   9.1	43.5	31.9	9.8	1.2	•2	• 1					100.0	6.7
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLRLY OBSERVATIONS

PEPIOD OF RECORD:

4.7 /////

6.6

100.0

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

DIPECTION I IDE GREES! N . 7 3.7 1.4 3.1 1.0 1.4 NE . 7 1.9 1.7 3.6 • 3 2.7 4.5 ENE 1.4 1 . C E 2.7 . 3 . 3 3 . 4 6.0 ESE 3.1 1.0 . 7 5.1 6.7 • 3 SE 3 • 7 2.7 1.4 • 3 8.5 7.9 • 3 SSE . 7 6.1 1.4 13.9 7.6 s 2.4 11.2 7.6 SSW . 7 7.8 7.4 5 • 1 7.1 WSW 4.1 1.4 7.2 • 3 12.9 7.6 5 . 4 4.7 . 7 1.4 . 7 . 7 MNN 2.7 8.3 . 3 . 7 1.0 4.7 7.0 2.7 1.0 . 7 NW . 7 NNW VARIABLE CALM 

TOTAL NUMBER OF OBSERVATIONS:

TOTALS

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM FOURLY OBSERVATIONS

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ATION NUMBER	: 225500										HOURS ILS	-86 1): 030C-	05 00
DIRECTION   (DEGREES)	1-3	4 -6	7-10			D SPEED	IN KNOTS		41-47		GE 56	TOTAL 2	ME AN
N	. 7	2.7		• • • • • • • •	*****	• • • • • • • •	* * * * * * * * * * * * * * * * * * * *	•••••	• • • • • • • •	• • • • • • • •	•••••	3.4	4.0
NNE	. 7	1.0		3		•						2 • 1	5.0
NE .	1.7	2 • 1										3.8	3.5
ENE		1.0										1.0	6.0
E !	. 7	3 • 1										3 • 9	4 .4
E SE	. 7	2 • 4	2.7	1.4								7 • 2	7.9
SE !	+ 3	3 • 4	2.1	2.4								8.2	7.8
SSE	. 7	6 • 2	2.7	2.7								12.4	7.6
s į	1 • 4	4	5.2	2.4								13.7	7.4
SSW	• 3	3 • 4	4.1									7.9	6.4
sw		2 - 1	1.0	• 3								3.4	6.8
R2A	+3	1.0	3.8	• 3	.3							5.8	8.4
- ;	. 7	7 • 6	4.5	2.1								14.8	6.9
NNA	. 7	• 7	• 3	. 7								2.4	6.6
NN		2 • 7	. 3	1.0								4.1	7.3
NNW	• 3	1 • 4	.7	• 3								2.7	6.3
VARIABLE	•	• • • • • • •	•••••	• • • • • • •	******	••••••	••••••	•••••	• • • • • • •	•••••	•••••	•••••	••••••
CALM	,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	1111111	1111111	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,	3.1	//////
TOTALS	9. 2	45 • 7	27.5	14.1	. 3							100.0	6.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: NOV HOURS (LST): 0600-0800 WIND SPEED IN KNOTS 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN DIRECTION IDEGREES) | N 1.7 1.0 4 3 3.1 3.3 NNE 1.0 .7 • 3 2.0 5.3 NE 3.1 • 3 4.4 3.4 FNE • 7 • 3 1.4 4.5 E 2.4 1.4 3.8 5.8 E SE 1 . 4 1.7 2.0 6.5 SE 2.0 • 3 5 . 8 1.7 9.9 7.0 5 S E 1.0 4.1 5.5 2.4 13.0 8.0 s 1.0 4.0 4.4 . 7 13.9 6.8 SSW 3.8 3.6 2.7 • 3 1.7 . 3 . 3 . : 3.0 4.1 • 3 ¥ 1.7 2.7 4.4 1.4 • 3 -. 7 • 3 1.4 1.4 8.4 NW • 3 2.4 • 3 6.7 NNM . 7 5.7 CALM 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD:

MONTH: NOV HOURS(LST): 0900-1100 WIND SPEED IN KNOTS DIRECTION 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN IDEGREES? | MIND 1.1 3.3 3.8 NNE . 4 1.5 1.8 4 .4 .7. Nξ 1.5 . 4 2.5 4.0 . 4 . 4 . 4 ENE 1.1 5.3 E, . 7 1.1 1.8 3.6 5.6 ESE 1.5 . 7 . 7 3.6 6.5 5.8 3.3 SE . 4 1.0 2.2 7.6 8.6 SSE . 7 5 . # 5.8 1.5 13.8 7.3 s 1.5 4 . 4 6.2 • 7 2.9 2.5 6.9 4.0 . 7 7.6 6.9 WSW 1.5 3.3 . 4 6.5 6.7 . 7 2.5 4.4 1.5 9.1 8.0 WNW . 7 . 7 1.8 11.0 . 7 2.5 1.1 1.8 6.5 8.3 NNW TO TALS 100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLRLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-14 GD

	!				⊌ I I	ND SPEED	IN KNOT	5	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •		•••••	••••••
DIRECTION (DEGREES)		4 -6	7-16		17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	ME AN Wind
N	]	2.1	. 3				•••••		•••••	• • • • • • • •	•••••	2.4	5.1
NNE	1.0	1.0	• 7									2.7	4 • 3
NE	.3	1.7										1.4	4.5
E NE	.7	1.0	.7									2.4	4.6
E	.,	1.7	1.4									3.8	5.5
E SE	1.0	3 • 1	1.0	. 7								5.8	5.9
SE	. 3	4 • 1	3.8	1.7								10.0	7.7
SSE	• 2	4.5	5 • 8	1.0								11.7	7.6
S	1.0	5 • 2	7.6	1.4								15.1	7.5
SSW	į	4 - 1	2.7	. 7								7.6	7.3
SW	. 3	2 • 1	3.4	. 7								6.5	7 .6
WSW	. 3	2.4	3 • 1	• 7	. 3							6.9	7.8
la la	.3	2.4	4 • 1	1.0								7.9	7.7
WNW	.7	• 7	• 3	1.0	. 3							3.1	8.6
Nw	.7	1.0	1.0	1.0					•			3.8	7.3
NNW	• 3	4 • 1	• 3	1.0								5.8	6.2
VARIABLE	! !	•••••		• • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	•••••
CALM		,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	////////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	3 - 1	111111
TOTALS	8.2	40 • 5	36.4	11.0	.7			•				100.0	6.9
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PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MCNTH: NOV HOURS(LST): 1500-1700 wind speed in knots DIPECTION 17-21 22-27 28-33 34-40 IDEGREES) | MIND N 2 • 7 • 3 4.5 NNE 1.7 1.7 4 .4 ۸E 1.0 1.0 5.3 E NE • 3 . 7 2.4 4.0 E .7 5.4 2.4 + 3 E SE 3.4 1.0 . 7 5 • 1 6.7 SE 3.4 9.2 7.9 3.7 1.7 . ! S S E 1.7 5.4 1.7 13.3 7.3 5 . 7 . 7 12.9 7.3 6.8 SSW 3.1 1.4 8.8 7.3 SW 3 . 7 2.7 . 7 7.1 7.4 MSM . 7 2.0 1.0 7.8 7.0 . 7 1.0 4.1 • 3 6.5 8.1 -8.9 5.1 . 3 5.5 1.0 NNW VARIABLE CALM 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR
PEPIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1800-2000

	i						IN KNOTS		• • • • • • •	• • • • • • • •			
DIRECTION (DEGREES)		4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MIND WE WN
N		4.8	. 3	•••••	•••••	•••••	• • • • • • • • •		•••••	• • • • • • • •	• • • • • • •	5.5	4.5
NNE	1.0	1.4										2.4	3.4
NE	<u>.</u>	1.0										1.0	4.7
E NE	1.4	1.0	. 3									2.7	4.5
E	.3	1 • 7	.7									2.7	5.0
E SE	. 3	3 • 1	.7	1.7								5.8	8.2
SE	.3	3 • 4	3.4	2 • 1								9.2	8.0
SSE	<u> </u>	5 • 5	5.5	2 • 1								13.0	7.8
s	1.0	5 • 1	3.1	2 • 1								11.3	7.1
5 S W	!	2.7	4.5	1.4								8.6	8 + 2
SW	.3	3.4	3.8	. 3								7.9	7.0
WSW	.7	2 • 4	1.4	1.4								5.4	7.4
•		3.4	2.7	1.7	• 3							8.6	8.4
WNW	.3	1.0	1.0	. 7								3.1	7.3
NW	.3	1.0	1.7	. 7	• 3							4.1	8.8
NNW	1.4	2.1	1.0	. 3								4.8	5.3
VARIABLE	: • • • • • • • • • • • • • • • • • • •	•••••	•••••	• • • • • • • •				• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	
•		,,,,,,,			,,,,,,,							1.4	111111
	i					.,,,,,,,,		,					
TOTALS	: 8, <sub>7</sub> 	43 • 2	30.1	14.4	•7							100.0	6.9
	• • • • • • • • •	• • • • • • • •											

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLICLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: NOV HOURS (LST): 2100-2300 WIND SPEED IN KNOTS 10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN DIPECTION I IDEGREEST ! WIND N 2.0 NNE . 7 2.4 4.0 1.0 NE 1.4 4.5 • 3 . 7 ENE . 7 4.0 . 7 1.4 4.5 Ε . 7 2.7 FSE • 3 1.4 1.7 2.4 5.8 9.2 SE 3.1 3.7 1.4 9.5 7,4 SSE 1.0 6.1 4.1 1.0 12.2 6.8 S 5.1 12.2 7.4 5 S to . 3 6.9 9.5 3.1 3.1 . 7 • 3 8.8 UNU . 1 . 3 . 3 7.5 2.0 3.4 NW 1.C 2.0 • 3 3.7 7.1 NNW CALM 4.8 ////// TOTALS 100.0 30.3 1.0 6.6

PLACENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PEPIOD OF PECORD: 77-86
MONTH: NOV HOURS(LST): A

!							IN KNOTS						
RECTION   Degrees)	1-3	4-6	7-10	11-16	17-21	22-27	26, 33	34-40	41-47	* 6 <b>-</b> 5 5	GE 56	TOTAL	ME A N
h !	. е	2 • 4	• 2							••••••	•••••	3.4	4.1
NNE	.6	1 - 4	•2	• 0								2.3	4 . 2
NE	• ë	1.5	•0									2.9	4 . 1
ENE	<b>.</b> 6	• 9	. 3									1 . 8	4.5
E	. 4	2.0	.8	• 3								3.3	5.3
ESE	. 7	2 • 7	1.4	1.1								5.9	7.1
SE	• "	3 • 7	3.1	1 . 8	•0							9.0	7.7
s s e		5 • 3	5 • 1	1.7								12.9	7.5
s	1.1	4 • 7	5 • 2	1.5								12.5	7.3
s s w	• 3	3 • 4	3.4	. 9								8.0	7.4
SW	• 3	2.7	2.5	.5	•0							6.0	7.1
454	. 6	2.9	2.8	. 9	. 1							7.3	7.3
• !	. 7	3.5	4.0	1.5	• 3							10.0	7.8
<b>UNU</b> .	٠,٠	• 7	1.0	. 8	• 1	•0						3.2	8 . 3
Nu	٠ ۴	2.0	.9	. 8	• 1							4.3	7.3
NNW	٠ ۴	2 • 6	. 9	. 3								4.5	5.7
ARIABLE		• • • • • •	•••••	• • • • • • • •	•••••				• • • • • • •		•••••	• • • • • • • • •	
i	11111111	,,,,,,,		,,,,,,,	1111111	1111111	,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,,,	3.7	,,,,,,
OTALS	9.5	42.2	31.7	11.8	.6	•9						100.0	6.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICELY OBSERVATIONS

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RECTION DEGREES!	1 - 3	4-6	7-10		17-21	22-27	28-33	34-40				TOTAL	ME AN Uniu
	.,,	2.7	•7	• • • • • • • •	******	•••••	••••••	•••••	*******	••••••	•••••	3.6	4.9
NNE	• 3	1.0										1.3	4.0
NE !	• •	2.0	• 3									2.6	4.5
ENE !	• 3	4.3	•7									3 • 3	5.8
E	1.0	1.6	.7									3.3	4.8
FSE	2+3	6.5	• 3	. 3								9.5	4.6
SE	1+3	6.5	2.9	1.3								12.1	6.4
SSE	. 7	4.6	2.0	1.0								8.2	6.8
s	1.0	4.0	4 . 2	• 3								10.5	6.6
554	• 3	2.3	4.2	1.0	. 7							8.5	9 • 1
SW	1.0	2 • 0	2 • 3	1.0								6.2	6.8
WSW !	. 7	2.9	2.9	1.6								8.2	A • 5
•	. 1	3.3	3.6	. 7								8.2	7.2
WNU .		• 7	.7	. 3								1.6	8.8
NU		2 • 6	.7	. 7								3.9	6.8
NNU ]	. 7	1 • 5	1.6	. 7								4.2	7.2
ARIABLE I	• • • • • • • • • • • • • • • • • • • •		• • • • • • • •	• • • • • • •		•••••	•••••	• • • • • •	•••••	•••••	••••••	• • • • • • • • •	•••••
ALM	,,,,,,,,,	//////	,,,,,,,,	1111111	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	4.9	,,,,,,
IOTALS	11 • 1	46.7	27.8	P. B	.7			,				105.0	6.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POIRLY OBSERVATIONS

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0300-0500

•••••		•••••	•••••	• • • • • • • •	wIP	D SPEED	IN KNOTS		••••••	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
DIPECTION (DEGREES)	1 -3	4 -6	7-10		17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TETAL	MEAN Wind
N	, 7	1.5	.7	• • • • • • •	******	••••••	•••••	• • • • • • • •	• • • • • • •	••••••	• • • • • • •	2.3	5,1
NNE	• 3											• 3	2.0
NE	. 7	1.6										2.3	4.0
ENE	. 7	2 • 6	• 3									3.6	4.7
Ε	2•€	3 • 9										5.9	3.A
E SE	2 • 3	5 • 6	1.3	• 3								9.5	5 . C
SE	1 • 3	6 • 5	2.9	1.3								12.1	6 + 3
S S E	. 7	5 • 9	1.3									7.8	5 .4
S I	. 7	5 • 6	2.6	1.3								10.1	7.0
SSW	 	2 • 9	3.6	• 7	• 3							7.5	8 • 3
SW	. 7	2.9	2 • 3	1 • 3	. 3							7.5	7.7
WSW	l	1.6	5 • 2	• 7								7.5	7.9
W	. 7	3 • 6	2.9	1.0	. 3							A • 5	7.6
A MA	• 3	1.0	•1	• 3								2 • 3	7.1
NW	• 1	1.3	•7	• 3								2.6	6.5
NNW	• ?	3 • ?	1.6	• 3								5.6	6.0
VARTABLE	' • • • • • • • • • • • • • • • • • • •	•••••	******	• • • • • • •	******	•••••	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	••••••	
CALM	,,,,,,,,,	,,,,,,,	,,,,,,,,	///////	,,,,,,,	,,,,,,,	,,,,,,,	1111111	///////	///////	,,,,,,,	4.6	/////
TOTALS	11 • 4	49.3	26.1	7.5	1.0							100.0	6.1
	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • • •	•••••		• • • • • • •		• • • • • • •	• • • • • • •		• • • • • • • • •	

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

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77-86 PEPIOD OF RECORD: MONTH: DEC HOURS(LST): 0600-0800 WIND SPEED IN KNOTS 0 11-16 17-21 22-27 28-33 DIRECTION I 7-10 34-40 48-55 GE 56 TOTAL MEAN (DE GREES! 1 MIND 5.3 . ? 1 . C 2.0 NNE . 7 1 - 7 2.3 4.3 NE 1.0 1.3 2.3 3.1 4.0 ENE 1.0 2.3 • 3 . 3 5.3 4.4 ε 1.0 2.3 • 3 5.4 8.0 5.1 E SE 1.3 1.0 . 3 7 . 4 12.7 SE 1.7 2.0 1.7 6 . 2 11.4 5.9 2.3 SSE 2.0 6.4 . 7 9.0 s 5 . 4 2.0 . 7 6.1 1.0 SSW . 7 3.0 3.7 1.7 9.0 7.4 7.4 3 • C 2.0 1.7 • 7 8.7 2.0 3.3 1.0 6.7 7.7 • 3 1 . ! 3 . 3 . 7 . 3 2.0 7.3 . 7 . 7 . 3 ٠.0 8.9 • 7 2.0 NNW . 3 7.3 . 3 VARIABLE 130.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM POLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

13

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: MONTH: DEC HOL HOURS(LST): 0900-1160 WIND SPEED IN KNOTS 1-16 17-21 22-27 28-33 34-40 41-47 48-5 DIRECTION ! 1-3 7-10 11-16 GE 56 TOTAL (DEGREESI | WIND N 4.8 1.1 . 4 . 4 N NE 2.2 2.5 4.6 NE 1 • 1 2 . 2 . 4 3.6 4.6 1 - 1 5.0 4.7 3 . 6 E 1.4 1.1 2.9 4.0 2.5 ESE 6.1 1.4 10.4 4 . 3 SΕ . 4 5.0 3.6 1.8 10.8 7.5 5 • 0 3.2 SSE 1 • 1 9.7 5.9 5 . 7 ĉ.9 3.6 . 7 7.9 6.9 SSW 4 . 7 5.4 . 7 10.8 7.5 SW 1 - 1 2.2 . . 7 1.1 ē . 2 WSW 7.2 5.8 9.4 A . 3 . 7 2.9 5.4 7.2 KINN 1.1 . 4 3.2 6.2 1.1 . 4 1.1 2.5 8.9 NNW 2.2 . 7 1.1 5.5 VARIABLE CALM 4.3 ////// TOTALS 100.0 . 4 6.2

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICLY OPSERVATIONS

PEPIOD OF RECORD:

77-86

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255DC STATION NAME: ARKHANGELSK USSR

MONTH: DEC HOURS (LST): 1200-1400 WIND SPEED IN KNOTS

DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN (DEGREES) | WIND ...... 3.5 1.3 NNE 4.3 • 3 2.9 4.9 NE • ? 1.6 . 3 2.9 6.2 FNE . : 2.0 • 3 • 3 2.9 6.C £ . 3 1. 1 2.6 . 3 5.0 ESE 2.3 3.9 1.6 4.5 SΕ 2.0 . 7 10.5 5.9 SSE 1.3 . 7 5.9 S . 7 3.3 3.9 1.3 7.4 7.2 6.8 1.0 8.2 7.3 . 3 7.2 6.8 2.3 1.0 4 . 6 2.9 10.8 8.1 . ? . 3 1.0 6.8 .7 1.7 NW 1.3 • 3 NNE 2.0 • 7 . 7 CALM \$*\_\_\_\_* 5.2 ////// 100.0

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

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PERIOD OF RECORD: 77-86

MCNTH: DEC HOURS(LST): 1500-1700 STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR

IPECTION	1 • 3	4 -6	7-10			ND SPEED							
DE GREES) (	1 * 3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL	MENN
N	. 7	1+3	• 3									2 • 3	4,9
NNE I	• 3	• 7	• 3									1.3	5.5
NE !	1 • !	3 • 2	• 3									4.6	4.6
ENE	1.0	2 • 0	• 3	• 3								3.6	5 • 1
E į	1.6	1.3	1.0									3.9	4.5
ESE	2.6	5.9	• 3	. 7								9.5	4.7
SE	1.0	5 • 6	3 • 3	1.0								10.9	6.5
SSE	• 3	4 • 6	2 • 3	1.0								8.2	6.8
s	• 3	5 • 3	3.9									9.5	6.6
SSW	• ?	5.3	3 • C									8.6	6.3
Sw	1 • 0	2 • 3	5 • 0	. 7								5.9	6.3
WSW I	• 3	2 • 6	3.0	• 3		•						6 • 2	7.4
w j	1 • 3	3 • 6	3.9	• 7	• 3							9.9	6.8
WNW I	• ?	1 • 3	• 3	. 7								2.6	7.3
NW I		1.0	1.6	1.0	. 3							3.9	10.1
NNH I	• ?	1.0	.7	1.0								3.0	7.8
VARTABLE 1	• • • • • • • • •	• • • • • •		• • • • • • •			• • • • • • •	•••,•••	• • • • • • •		• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
1	,,,,,,,,,,	1111111	11111111	,,,,,,,	1111111	///////	,,,,,,,,,	///////	,,,,,,,,	,,,,,,,	,,,,,,,,	5.9	,,,,,,
TOTALS	12 • P	46 • 7	26.6	7.2	. 7							100.0	6.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
FROM MOLRLY OBSERVATIONS

PERCENTAGE FROM MOLRLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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1					L I	ND SOFFN	IN KNOTS		• • • • • • • •	• • • • • • •	• • • • • • • • •	•••••	• • • • • • • • •
IRECTION   DEGREESI		4 -6	7-10		17-21	22-27	28-33	34-40			GE 56	TCTAL	ME AN WIND
N į	. 7	• ?	• 3	•••••	•••••	•••••	•••••	• • • • • • •	••••••	• • • • • • •	• • • • • • • •	1.3	4.0
NNE .		• 7	• 3									1.0	5.3
NE	. 7	1 • 6	• 3									2.6	4.3
ENE I	1 • 6	1.6	1.3									4.6	5 • C
E	1 • 5	3 • 0	1 • C									4.9	5.2
E SE I	1 • 6	7 • 2	1.0	. 7								10.5	5.0
SE I	. 7	5 • 3	2.3	1.3								9.5	6.6
SSE	1 • 3	5 • 5	3.0	. 7								10.9	6.0
s i	. 7	4.5	3.9									9.5	6.1
S S W	• 3	3.0	3.0	1.3								7.6	7.5
Sa i	1.0	?•€	1.6	• 7								6.2	6.5
WSW I	. 7	2.6	2.3	1.0								6.6	7.3
· į	1.0	3 • 3	4.9	1.0	. 3							10.5	7.7
PNW 1	. 7	1.3	1.0									3.0	5.6
Na I	. 7	1+6	1.0	1.0								4.3	7.4
NNa I	. 7	1.5	1.3	1.0				,				3.0	8.0
VARIABLE	• • • • • • • • •			•••••	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • • •
CALM !	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,	////////	,,,,,,,	,,,,,,,,	,,,,,,,,,,	,,,,,,,	(///////	,,,,,,,,	,,,,,,,	3.0	,,,,,,
10 TALS	13.7	46. • 4	28.6	6.6	• 3							100.0	6.1

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIFECTION VERSUS WIND SFEED FROM MOLRLY OBSERVATIONS

IPECTION   DEGREES)	İ	4 -6		11-16	17-21	ND SPEED 22-27	IN KNOTS 28-33		41-47			TETAL	ME AN
N .	1,5	• ?	. 3		•••••	•••••	••••••	• • • • • • •	•••••	• • • • • • •	• • • • • • •	2.0	5.3
NNE	. 7	1.6										2.3	4.0
NE	• ?	2 • 6	. 3									3.3	4.6
ENE	• ?	2 • 0	• ?									2.6	4.8
E	2.3	2.7										4.3	3 . 2
ESE	1 • 3	8.0	. 3	1.3								11.8	5.6
SE	2.5	6 • 2	2.6	. 3								11.1	5.5
ssr	.1	3 • 3	3.3	1.0								8.2	6.9
s i	1 • 3	3.9	4.6	1.0								10.9	6.6
S S W	. 7	1.6	3.3	1.3								6.9	A • C
Sw	• 3	3 • 3	2.6	• 3								6.6	6.8
wsw	• •	3 • 3	3.9	. 7	• 3							8.5	7.9
- į	1.0.	3 . 3	2.0	1.6								7.9	7.8
www	. 7	1.0	2 • 3	. 3								4.3	7.1
Nu		1 • 3	. 7	• 3								2 • 3	7.1
NNW		1 - 3	1.3									2.6	6.3
VARIABLE	•••••	• • • • • •	•••••	• • • • • • •	•••••	•••••	•••••		•••••		• • • • • • • •		
CALM !	,,,,,,,,,	1111111	,,,,,,,	,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	4.6	,,,,,,
TOTALS	12 • 8	45.0	27.9	8.5	. 3							100.0	6.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD:

77-86

AIR WEATHER SERVICE/MAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

MONTH: DEC HOURS (LST): ALL WIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 34-40 DIRECTION ! 7-10 41-47 48-55 GE 56 TOTAL (DEGPEES) | ı UNIV 1.0 • 0 . 4 NNE 1 . 2 . 1 1.7 NE . 7 2.0 . 3 .0 3.0 . 5 • 2 3.7 5.1 E 1.4 2.3 .5 • 0 4.2 4 .4 ٠, ESE 2 . 2 6 . 2 . 5 9.7 4.9 SE 2.7 1.2 1 . 2 6.1 11.2 6.3 SSE 5 • 2 2 . 3 . 7 9.2 1.0 . 4 S 4.5 3.6 . 7 9.6 6.7 5 S W 3.2 3.5 1.0 SW . 7 2 . 7 2.2 1.0 • 2 7.3 WSW . 4 2.5 3.7 . 9 • 0 7.5 1.0 9.8 7.4 -. 9 6.9 1.0 . 7 3.3 • 1 . 1 8.3 NNH . 0 VARIABLE 130.0 . 6 6.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POLICEY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

MONTH: ALL HOURS(LST): | WIND SPEED IN KNOTS
DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 41-47 48-55 GE 56 TCTAL MEAN 28-33 34-40 (DEGREES) WIND 5.4 3.0 •0 5 . 3 1.0 • 2 .0 1.0 . 7 NNE 2 . 3 . 9 . 1 • 0 4.0 5.5 . 7 • 0 NE • 6 2 . 1 • 1 3.5 5.3 2.0 . 6 • 1 ENE .6 3.4 5.3 E 1.0 3 • 0 . 9 • 2 • 0 5.1 5 . 3 £ 2E 4.5 1.5 . 4 • 0 7.5 5.5 SΕ 6.0 3.0 . 7 •0 10.8 1 - 1 6.2 4.0 2 • 2 • 0 7.6 6.3 S . 9 . 7 .0 3 . 7 2.4 7.7 6.5 SSW . t 2 . 7 2.1 • 6 • 0 • 0 7.0 6 • 1 1.4 2.0 • 5 • 1 4.5 6.9 . 7 2.3 1.9 • 5 .0 5.5 6.8 w 1 . 1 3.5 2.1 • 6 • I •0 7.5 6.4 ٤. 2.0 1.5 • 6 ٠1 •0 • C 7.2 Nd . 7 2 . 7 1.9 1.0 • 1 NNE 3.0 •0 6.0 VARIABLE • 0 CALM 4.3 ///// 100.0 ٠,

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM POURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PEPICO OF PECOPD: 77-87
HONTH: ALL HOURS(LST): ALL
CEILINGS 20C TO 140D FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 2LD FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

			CE IL 1NG 5	20 166			11 2 18 1F 11	F2 1/2	10 /~1/2	#1(F2	<b></b>	• • • • • • • •	
DIRECTION (DF GREES)		4-6	7-10	11-16	WIN 17-21	D SPEED 22-27	IN KNOTS 28-33	34-40	41~47	48-55	GE 56	TOTAL	ME A N WIND
N		2.2	1.0	. 2	.0	* * * * * * * *	• • • • • • • • •		•••••	•••••	•••••	4.1	6.0
NHE	. 4	1.5	•5	• 1								2 • \$	5.4
NE	. 4	1.7	• 7	. 1	•0							2.9	5.7
E NE	.5	1.3	.6	. 2								2.7	5.9
E		3 • C	1.0	. 3								5.2	5.5
E SE	1.1	4.5	2.0	.6	• 0							8.3	6.0
SE	1.0	6.1	4.4	1.5	• 1							13.1	7.0
SSE	. 9	4 . 3	3 • 4	1.0	• 1							9.7	7.0
S		3 . P	3.0	• .7	•0							8 • 3	6 .B
SSW	.5	2 . 8	2.2	. 5	• 1							6.1	6.9
Sw	.5	2 • 2	1.5	. 4	•0							4.7	6.6
WSW		2.5	2 • 0	. 4	• D							5.5	6.6
u	1.1	3 . 7	2.7	. 9	• 1	•n						8 • 5	6.9
ENV	.5	2.1	1.8	. 9	• 1	•0	• 0					5.4	7.7
NW	.4	2.0	1 • 4	1.1	•1	•0	• C					5 • 1	8.0
NNW	.6	2 • 0	1.1	• 5	•0			•				4 . 2	6.6
VARTABLE					••••••	• • • • • • •							6.0
	!							///////	,,,,,,,,	,,,,,,,	,,,,,,,,		/////
TOTALS	11.0	45 • 6	29.3	9.5	• 7	-1	• (					100.0	6.4

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 RRRPRRR
 IIIIIIIIII
 DLODUDODO

 PPPPPPPPP
 AAAAAAAA
 RRRPRRRR
 IIIIIIIIII
 DU0000000

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 II
 DD
 DD

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 DU
 DD

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### CETLING VERSUS VISIBILITY AND SKY COVER SUMMARTES

### CETLING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVERIATE PRODUCKY DISTRIBUTION BY CLASSES OF CEILING FROM "O" THROUGH EQUAL TO OR GREATER THAN 20,100 FEET AND AS A SCRARTE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM 77RO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FRUM FOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-FOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMPINED.

#### NOTES:

BEGINNING IN 1968, METAP STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PRICENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDIO.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK". ALL CEILINGS ABOVE 5000 FEET WERE SUPPESSED TO 501 FEET. THEREFORE, NO PEPCENT VALUES APPEAR ABOVE 5000 FEET.

#### SKY LOVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER TOTHS OF COVERAGE OR "ALRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-POUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY TALL YEARS COMBINED).

ALSO PRESENTED APL MEAN SKY COVERS.

FCP AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	7/13
SCATTERED	-	3/10
BPOKET	-	9/10
OVERCAST	+	16/10
Of SCURED	_	1 /10

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# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 HOURS(LST): 0000-0260 NAL : HTROM . . . . . . . . . . . . VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | 10 GE GE 39 3 GE GE GE 2 1 1/2 1 1/4 GE 5 GE 4 G E GΕ GF GE GF GE GE 1 3 2 1/2 3/4 5/8 1/2 5/16 1/4 0 NO CEIL | 12.2 15.4 19.7 21.7 22.7 23.7 24.0 24.C 24 . C 24.0 24.3 24.3 24.7 24.7 24.7 24.7 GE 20000| 12.5 GE 18000| 12.5 GE 16000| 12.5 28.3 29.3 29.9 29.9 29.9 29.9 37.3 30.3 30.3 30.3 30.6 35.3 30.3 23.0 23.0 23.7 26 • 3 26 • 3 28.3 28.3 29.3 29.3 29.9 29.9 29.9 29.9 29.9 30.6 30.6 30.6 30.6 30.6 30.6 29.9 29.9 30.6 29.9 GE 140 COI 12.5 23.0 23.7 26.3 28.3 29.3 29.9 29.9 29.9 30.3 30.3 30.6 30.6 30.6 30.6 GE 120001 12.5 30.6 30.6 30.3 30.3 45.7 46.1 47.0 6E 130001 14.5 25.9 32.2 36 . 6 42.4 44.4 46.1 46.4 46.7 46.7 47.0 47.0 47.0 GE 90G01 14.5 GE 80001 14.5 29.9 32.2 44.4 46.4 47.D 47.0 47.0 38.8 42.4 45.7 47.0 46.1 46.1 46.7 46.1 45.7 46.1 46.7 46.7 47.0 25.9 47.0 47.4 46 . 7 60001 14.5 42.8 44.7 46.1 46.4 46.4 47.4 47.4 47.4 47.4 50601 14.5 42.8 42.8 43.1 GΕ 32.2 32.2 47.0 47.4 25.9 39 - 1 44.7 46.1 46.4 46.4 46.7 47.0 47.4 47.4 47.4 39 · 1 39 · 5 47.0 45001 14.5 40001 14.5 47.4 29.9 46.4 46.4 46.7 47.0 47.4 44.7 46.1 46.7 47.0 47.0 47.7 47.7 30.3 32.6 47.4 47.7 3° CO1 14.5 30.3 32.6 39.5 46.7 47.7 43.1 45.1 46.4 47.7 47.4 47.7 47.7 30601 14.8 40.1 47.4 47.7 48.4 46.7 GE 25.001 15.8 12.9 35.9 43.1 50.0 50.3 50.3 50.7 51.0 51.0 51.3 51.3 51.3 51.3 20 00 | 16.4 1800 | 16.4 40.8 42.8 51.6 54.3 53.6 56.3 54.9 57.6 55.3 58.2 55.3 58.2 55.6 58.6 55.9 58.9 56 • 3 59 • 2 56.3 59.2 56.3 59.2 56.3 59.2 GE 37.6 48.4 55.9 50.3 50.9 űΕ 15001 17.4 45.1 49.3 58 . 6 63.5 66.1 67.4 68.4 68.4 68.8 69.1 69.4 69.7 69.7 69.7 69.7 12001 19.1 61.9 82.2 82.6 82.9 03.2 Ŀξ 5 1 . C 56.9 68.4 75.0 78.9 80.6 81.6 83.2 GΕ 1901 19.7 52.6 59.2 71.7 79.3 83.9 87.2 87.8 88.2 88.5 88.8 88.8 88.8 8.89 85.5 86.5 úE GE 900| 19.7 800| 19.7 53.6 60.5 73.7 81.9 86.5 88.5 89.1 89.8 90.5 90.8 91.1 93.1 91.4 93.4 91.4 91.4 93.4 54.3 61.5 75.7 90.1 94.7 85.5 96.5 GΕ 6201 19.7 55.3 62.8 78.0 91.4 95.4 96.1 97.0 97.4 5 col 19.7 78.6 78.9 87.2 92.1 95.1 95.4 95.7 95.7 96.1 96.4 96.7 96.7 97.0 97.4 97.7 98.0 бE 55.9 63.5 94.1 97.4 98.0 98.0 98.0 97.7 98.0 4001 19.7 56.3 63.6 92.4 94.4 98.4 98.4 98.4 87.5 98.0 98.4 700) 19.7 2001 19.7 98.7 98.7 99.7 98.7 θĒ 56.3 63.8 78.9 87.5 92.4 98.4 96.7 97.4 98.0 99.3 98.4 94.7 56.3 63.B 78.9 87.5 92.4 98.4 99.7 GE 1001 19.7 63.6 87.5 97.4 99.0 99.7 94.7 01 19.7 54.3 87.5 92.4 94.7 95.7 96.7 97.4 99 • D 99.7 99.7 100.0 ...........

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### PEHCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

PEF100 OF RECORD: 78-87 STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR MONTH: JAN HOURS (LST): 0300-05c0 VISIBILITY IN STATUTE MILES CE IL ING GE GE GE 2 1 1/2 1 1/4 GE 10 GE 5 GE 4 GE GE 3 2 1/2 GE </16 GE 1/4 6E 0 IN | FEET | 3/4 6 5/8 1/2 NO CEIL | 13.0 25.0 21.0 23.0 23.7 24.3 24.0 GE 200001 13.7 22.3 28.7 29.0 29.3 29.3 29.7 30.3 30.3 30.7 30.7 30.7 24.0 27.0 30.7 30.0 29.3 29.3 29.3 29.7 30.3 30.3 GE 18000| 13.7 GE 16000| 13.7 24.0 27.0 28.7 29.0 29.0 30.0 30.3 30 · 7 30 · 7 30.7 30.7 30.7 22.3 30.7 24.0 22.3 27.0 28.7 30 . C 30.7 30.7 140601 29.3 30.0 30.3 30.7 27.0 28 . 7 29.0 30.7 GE 22.3 GE 120001 13.7 24.0 28.7 29.0 29.3 29.3 29.7 30.0 30.3 30.3 30.7 33.7 30.7 30.7 47.0 47.0 47.3 47.0 47.0 47.0 GF 100001 16.3 31.0 34.0 39 . 3 42.7 44.0 44.7 44.7 45.0 45.3 46.7 47.0 47.0 46.7 45.3 45.3 90001 16.3 80001 16.3 31.0 31.0 44.0 44.7 46.7 47.0 GE 34.0 39.3 42.7 44.7 45 . C 47.0 34.0 39.3 42.7 44.0 44.7 45 • C 46.7 46.7 70001 16.3 44.3 44.3 47.3 GE 31.0 34.3 39.7 43.0 45.0 45.0 45.3 45.7 47.0 47.7 47.3 47.3 47.3 60001 16.3 31.0 34.3 43.0 45.0 45.C 45.3 45.7 47.3 GΕ 45.3 45.7 47.3 47.7 50001 40.0 45 CO | 17.0 40 CO | 17.0 31.7 35.0 35.3 44.0 46.0 46.0 46.3 48.3 48.3 49.0 48.3 48.3 48.3 48.7 48.3 G.F 40.7 45.3 46.7 47.0 45.7 GΕ 41.0 47.3 35 col 17.7 30001 13.0 36.3 45.3 48.C 40.3 49.3 49.7 49.7 49.7 49.7 50.3 43.4 46.3 47.7 48.3 48.3 49.C 50.3 50.7 50.7 50.7 35.0 39.0 42.3 53.0 53.3 GE 51.0 51.3 51.7 53.0 53.3 53.3 58.3 39.0 45.7 49.0 50.3 51.0 53.3 2000| 19.7 1803| 20.0 43.3 50 · 7 54.0 67.3 55.3 56.0 56.C 56.7 63.0 58.G 58.0 58.3 GE 61.7 62.3 62.3 62.7 64.7 64.7 64.7 15001 21.0 70.0 70.3 62.7 72.7 73.0 73.0 71.3 83.7 GE GE 12001 21.7 8 C . 7 83.0 85.3 85.7 6E 10001 22.0 51.3 52.3 59.7 61.0 75 • 7 78 • 3 86.0 87.7 88.0 88.7 99.3 91.7 91.0 93.7 91.3 91.3 91.3 91.3 94.0 9001 22.0 90.7 GE 91.3 92.0 94.0 94.0 94.0 90.0 88.3 90.3 GE 8 001 22.0 52.3 61.5 78 . 3 88.7 91.0 91.7 92.3 94.0 94.0 94.3 94.3 94.3 94.3 96.0 22.0 5 1.3 79.7 92.7 93.3 95.7 96.0 96.0 GΕ 7001 62.3 87.C 90.0 91.7 94.C 95.7 96.0 6601 22.3 62.7 98.0 6 F 5001 22.3 54.7 63,3 81.3 94.0 95.3 96.C 96.7 98.3 98.3 98.7 98.7 98.7 98.7 63.3 89.0 89.0 92.0 94.0 95.3 95.7 ,96 • 7 97 • 0 98.3 98.7 98.3 98.7 ű£ 4 CO1 22.3 54.7 81.3 96 . C 98.7 98.7 98.7 98.7 3001 22.3 54.7 81.3 99.0 99.0 99.0 96.3 GE 2001 22.3 54.7 63.3 81.3 89.0 92.0 94.3 95.7 96.3 97.0 99.7 98.7 99.3 99.7 99.7 99.7 97.0 94.3 99.7 98.7 99.3 54.7 63.3 81.3 89.0 92.0 95.7 96.3 99.7 100.0 100.0 01 22.3 54.7 98.7 98.7 99.3 99.7 100.0 100.0 GE 63.3 81.3 89.0 96.3 97.0 92.6 94.3 95.7

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERICO OF RECORD: 78-87 STATION NUMBER: 2255CC STATICN NAME: ARKHANGELSK USSR MONTH: JAN VISIBILITY IN STATUTE MILES CE IL ING 1 374 GE GE ~ 4TEF2 GE 6E 3 2 1/2 GE E 6 <u>5</u> GE 4 IN | GE FEET | 10 GE GE GE 2 1 1/2 1 1/4 G [ 5 / ʁ GE 1/2 33 0 GF 5/16 1/4 3/4 NO CEIL 1 14.6 25.7 22.4 24 . ; 24.8 25.2 26 .2 26.2 26.2 26.2 26.5 26.5 26.5 26.5 26.5 26.5 23.5 25.9 25.9 28.9 GE 200 CO | 15.6 28.2 29.9 31.0 31.0 31.C 31.0 31.0 29.9 GE 180001 15.6 31.6 31.6 31.6 31.6 28.2 31.0 31.6 31.6 31.6 31.6 GE 16"ED1 15.6 2 1.5 25.9 28 • 2 28.9 31.C 31.0 31.0 31.6 31.6 31.6 31.6 28.2 29.9 31.0 31.0 GE 140031 15.6 21.5 31.0 31.0 31.0 31.6 31.0 31.6 31.6 31.6 31.0 31.0 GE 100001 19.7 32.0 41.2 45.6 46.6 46.9 47.3 47.3 49.6 49.6 48.6 48.6 48.6 48.6 90001 19.7 80001 19.7 43.5 45.6 46.6 46.9 47.3 48.6 48.6 48.6 48.6 48.6 48.6 32.0 37.8 41.2 47.3 48.6 49.6 47.3 GΕ 41.2 32.C 57.8 70.00 F 38.1 43.9 49.3 45.9 60 col 18.7 41.5 46 .9 47.6 47.6 49.0 49.0 49.0 49.3 47.3 38.4 41.8 44.2 47.6 49.3 49.3 49.3 GE 50001 18.7 32.3 46.3 48.C 48.0 49.3 49.3 49.3 45001 18.7 40001 18.7 49.3 50.7 39.4 44.2 47.3 47.6 49.3 49.3 49.5 49.3 49.3 50.7 46.3 48.0 GE 32.3 41.8 48.0 57.7 50.7 50.7 GΕ 42.9 45.6 47.6 48 . 6 49.C 49.3 49.3 50.7 35 LOT 18.7 42.9 45.6 49.C 49.7 50.7 50.7 50.7 50.7 50.7 38.8 47.6 48.6 49.3 49.3 GE 30 001 13.7 33.0 39.5 49.3 53.7 GE 25 031 12.7 35.0 41.8 45.9 48.6 50.7 51.7 52.C 52.4 52.4 57.7 53.7 53.7 53.7 2001 21.1 18001 21.1 44.9 49 • U 52 • 4 54 • 1 58 • 2 55.4 59.5 55.8 59.9 68 17.8 52 .C 55.1 55.8 57.1 57.1 57.1 57-1 57.1 39.5 59.2 61.2 61.2 61.2 61.2 61.2 69.7 65.3 75.9 68.0 69 • 7 83 • 3 71.1 15601 22.1 44.6 55.1 69.0 69,4 69.7 71.1 71.1 71.1 71.1 71.1 84.7 97.8 10001 27.1 50.7 65.6 13.5 80.3 85.0 86.4 87.1 88.1 89.5 90.8 90.8 90.8 9ŋ.B 90.8 89.1 90.5 92.5 93.2 9401 23.5 8201 23.6 51.0 67.0 82.3 87.1 86.4 88.4 92.9 92.9 92.9 92.9 (.F 75.2 90.1 91.5 92.9 92.9 94.6 Ŀξ 76 . 2 91.5 92.9 94.2 7 CU | 24.1 6 CO | 24.1 68.4 17.6 95.2 90.5 96.6 GE 52.7 92.5 94.0 GR.O 98.0 5001 24.1 90.0 GE 53.1 69.0 78.2 86.4 91.5 93.2 93.9 95.2 96.6 98.0 98.6 98.6 98.6 98.6 69.4 86.7 98.3 78.6 91.8 96.9 98.3 99.0 99.0 99.0 94.2 95.6 3001 29.1 5 3 . 1 69.4 78.6 86.7 91.8 93.5 94.2 95.6 96.9 90.3 98.3 99.0 99.0 99.0 99.0 260| 24.1 160| 24.1 98.3 5 1 . 1 69.4 98.3 99.3 99.7 78 . 6 86.7 94.2 95.6 96.9 99.7 99.7 69.4 100.0 78 • 6 51 24.1 5 2 - 1 69.4 91.8 98.3 99.3 99.7 99.7

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: JAN HOURS(LST): 0900-1100 VISIBILITY IN STATUTE MILES CEILING GE GE -3 2 1/2 IN | GE FEET | 10 6E 4 GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 5 1/2 5/16 1/4 6 5/8 18.2 26.6 20.4 25.8 GE 200 001 17.2 20.0 21.8 22.9 24.4 25.1 25.5 25 • 9 26.2 26.5 27.3 27.3 27.3 27.3 GE 18000| 10.2 GE 16000| 10.2 GE 14000| 10.2 20.0 21.8 22.9 24.4 25.1 25.5 25.5 25.8 25.8 25.8 26.2 26.2 26.5 26.5 27.3 27.3 27.3 27.3 27.3 2C.C 21.8 25.1 26.5 27.3 22.9 21.8 25.5 GE 120001 13.2 20.0 25.5 25.8 25.8 26.5 GE 100001 15.3 32.0 35.6 40.7 43.6 44.4 45.1 46.2 46.3 46.9 4 P . D 48.3 49.7 48.7 48.7 48.7 32.0 35.6 40.7 43.6 44.4 45.1 46.2 46.2 46.9 48.0 48.7 48.7 48.7 46.7 90001 15.3 80001 15.3 70001 15.3 12.0 32.0 35 • 6 35 • 6 40.7 43.6 44.4 45.1 46.2 46.2 46.9 48.0 48.0 48.7 48.7 48.7 48.7 46.2 46.9 48.0 48.0 48.7 48.7 48.7 46.7 ίE 44.4 46.2 45.1 GE 60001 15.3 32.0 35.6 40.7 43.6 46.9 48.0 48.0 48.7 48.7 48.7 46.7 5000| 15.3 4500| 15.6 4000| 15.6 48.0 48.7 GE 32.C 35.6 40 - 7 43.6 44.4 45.1 46.2 46.2 46.9 48.0 48.7 48.7 48.7 47.3 40.4 49.1 49.1 46.5 32.4 32.7 44.7 45.5 45.5 48.4 49.1 ЬE 36.0 41.1 44.0 45.5 47.8 57.2 36.4 36.7 46.9 40.5 48.0 48.7 49.8 50.5 50.5 59.5 56.5 42.2 46.2 GE 35 CC | 15.6 32.7 42.5 46.5 47.3 48.4 44.4 49.1 50.2 50.9 52.0 50.9 50.9 C: 0 9 GE 50 . 2 51.3 48.7 53.1 53.8 GE 25001 16.7 38.9 45.5 49.5 50.2 51.3 51.3 52.0 57.1 53.8 53.8 57.8 62.5 2003 18.5 1804 18.5 36.7 28.9 42.2 49.8 53.1 53.1 54.2 54.9 59.6 56.0 60.7 56 • E 60 • 7 56.7 61.5 58.5 63.3 58.5 63.3 58.5 63.3 58.5 G€ 57.8 62.5 GΕ 69.5 15001 19.9 49.5 67.6 68.4 69.5 70 . 2 70.2 79.2 82.2 17001 20.4 υE 47.6 55.6 66 . 4 76.7 77.8 81.5 82.2 82.2 10001 23.7 89.1 GE c 1 . 6 83.6 86.9 86.9 88.L 89.8 89.8 89.8 89.8 60.0 73.8 P 0 . 4 84.7 9001 21.1 60.7 82.2 86.9 89.5 89.5 90.5 91.6 91.6 92.7 92.7 92.7 92.7 75.6 8.29 FUCT 21.1 700| 21.8 ٥E 52.4 53.1 61.1 76.0 77.1 82.9 86.5 87.6 89.8 90.2 90.2 91.6 93.1 93.1 94.2 94.2 94.2 94.2 92.4 85.1 96 • 7 97 • 1 96.7 96.7 96.1 uε GE 6001 21.9 53.1 62.2 77.5 15.5 99.1 90.2 92.7 92.7 97.1 97.1 G.F 5.00 L 21.A 51.5 62.9 86.5 90.2 91.3 91.8 9 T . A 95.3 96.7 96.7 98.2 98.2 98.2 98. 7 9.15 105# 5 1. e 5 1. e 63.3 90.5 90.5 91.6 91.6 95.6 97.1 97.1 98.5 98.5 98.5 96.5 GΕ 78.5 86.9 94.2 94.2 3CO| 21.8 63.3 78.5 94.2 97.1 97.1 98.5 98.5 98.5 98.5 5 3 . 8 95.6 2001 21.8 63.3 78.5 86.9 96.5 91.6 94.2 94.2 98.5 98.9 98.9 98.9 GE 01 21.8 63.3 94.5 94.5 96.0 97.5 97.5 98.9 99.6 99.6 100.0 96.5

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PETIOD OF RECORD: 78-87 MONTH: JAN FOURSILSTI: 1200-1400 VISIBILITY IN STATUTE MILES CEILING GE ) GE GΕ GΕ GE GE GE GF. GΕ G E GE GF GE FEET | 10 2 1 1/2 1 1/4 4 3 2 1/2 3/4 5/8 О 6 5 1 1/2 5/16 1/4 NO CEIL | 9.7 19.7 15.2 16.2 16.9 17.6 20.3 20.3 20.3 20,3 21.4 21.4 6E 200001 12.8 2 2 . 1 24.5 26.9 30.3 31.7 31.7 31.7 31.7 31.7 31.7 32.8 32.8 32.8 27.9 29.0 GE 18000 12.8 GE 16000 12.8 24.5 29.0 32.8 32.8 23.1 26.9 27.9 30.3 30.3 31.7 31.7 31.7 31.7 31 • 7 31.7 32.8 32.8 26.9 27.9 31.7 31 · 7 31 · 7 31.7 31.7 31.7 32.8 32.8 23.1 29.0 UE 14000| 12.8 GE 12000| 12.8 26 . 9 30.3  $\frac{31.7}{31.7}$ 37.8 32.8 32.8 2 1. 1 24.5 29.0 30.3 31.7 32.8 GE 100001 16.9 36.6 40.7 46.6 51.0 52.4 54.8 56.6 56.6 56.6 57.2 57.2 57.6 58.6 58.6 58.6 57.2 GΕ 90001 16.9 36.6 43.7 46 . 6 51.6 52.4 54.8 56.6 56 • 6 56 • 6 56.6 57.2 57.6 58.6 58.6 58.6 57.2 £000| 16.9 36.6 40.7 52.4 56.6 56.6 57.2 57.2 58.6 58.6 70001 16.9 67001 16.9 36.6 36.6 57.6 57.6 GΕ 47.7 46.6 51.0 52.4 54 .8 56.6 56.6 56.6 56 • 9 GΕ 5^COI 16.9 42.7 52.8 57.6 57.6 57.9 59.0 59.0 59.0 36.6 46.9 51.4 55 • 2 56.9 56.9 45 CO | 17.2 40 CO | 17.2 35 LO | 17.6 37 CO | 17.6 36.9 ?6.9 41.8 41.8 47.2 47.2 51.7 53.1 55.5 57.2 57.2 57.2 57.2 57 • 2 57 • 2 57.9 57.9 57.9 57.9 58.3 59.3 59.3 59.3 59.3 59.3 58.3 59.3 50.3 59.3 59.7 f.F 53.4 55.9 57.6 58.3 58.3 41.4 47.6 52.1 53.4 55.9 57.6 57.6 58.6 25 CO | 18.3 60.0 61.4 61.4 38.3 42.4 47.3 53.8 55.2 57.6 59.3 60.0 60.3 61.4 GE 59.3 59.3 2000| 19.3 43.8 60.7 60.7 61.4 61.4 62.8 39.7 50.7 55.2 59.0 60.7 61.7 62.8 62.8 56.6 1810| 19.7 1500| 10.3 42.1 44.5 46.2 65.2 66.2 71.4 67.2 67.2 72.4 68 54.5 59.3 66.7 63.4 65.2 65.2 67.2 57.2 62.4 68.3 70.C 70.3 71.0 65.2 GF 12001 20.7 51.4 56.9 67.9 73.8 77.9 83.8 85.2 85.5 86.6 86.6 86.6 10001 21.0 91.7 54 52.1 58.3 70 . 3 77.2 81.7 86.2 88. 3 89.3 A9.3 90.3 90.3 90.7 91.7 91.7 900| 21.0 800| 21.0 700| 21.0 91.0 91.0 92.4 92.4 υE 52.1 58.3 71.0 77.9 A2.4 86.9 89.C 90.0 90.0 91.4 92.4 92.4 GE 58.6 71.4 78.3 82.8 89.7 90.7 91.0 GE 58.6 90.7 °2.1 91.4 93.8 95.2 95.2 59.7 97.9 97.9 97.9 5001 21.0 52.8 73.4 81.5 85.5 90.0 92.8 93.8 94.8 96.2 96.6 96.9 GE GE 4 LOT 21.0 7401 21.0 52.8 52.8 59.7 59.7 73.4 73.4 81.0 85.5 90.0 92.8 93.8 94.8 96.2 96.6 96.9 97.9 97.9 97.9 97.9 97.9 97.9 96.6 96.9 85.5 85.5 90.0 81.0 2 LOT 21.0 1001 21.0 99.0 59.7 99.0 73.4 92.8 99.0 99.3 100.0 GΕ 52.8 81.0 85.5 90.0 93.9 94.8 96.2 96.6 97.2 υF 11 11.0 52.8 59.7 73.4 96.2 96.6 97.2 99.0 99.3 100.0 81.0 85.5 90.0 92.8 93.A 94.8

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIGILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEPIOD OF RECOPO: 78-87 MAL : 4TANH HOURS(LST): 1500-1700 .......... VISIBILITY IN STATUTE MILES IN | GE FEET | 15 6E 6 G E S GE 4 GE GE 3 2 1/2 GE GE GE GE 2 1 1/2 1 1/4 1 GE G£ GE GE 5/8 1/2 5/16 1/4 0 NO CETE 1 7.5 15.1 ' 15.4 16.1 17.1 17.7 18.4 18.7 18.7 18.7 19.7 18.7 19.1 19.1 19.1 31.1 31.1 GE 200001 10.4 23.1 23.7 26 . 1 27.8 29.1 30.1 31.1 31.1 31.1 31.4 31.4 31.4 23.1 23.7 30.1 31.1 31.1 31.4 31.4 31.4 GE 160001 10.4 26 . 1 27.8 29.1 31.1 31.1 31.1 31.4 31.4 GE 16000| 10.4 26.1 29.1 30.1 31.1 31.1 31.1 31.1 30.1 GE 140001 10.4 23.1 23.7 26 . 1 27.8 29.1 31.1 31.1 31.1 \$1.1 31.1 31.4 31.4 31.4 31.4 31 - 1 31.1 60.5 6E 100001 14.0 40.8 53.5 57.5 59.5 59.9 60.5 60.5 60.9 60.9 60.9 37.1 49.5 56.2 60.9 60.5 60.5 60.5 60.5 9^00| 14.0 8'00| 14.0 57.5 57.5 59.5 59.5 59.9 60.5 60.5 60.9 37.1 40.8 40.8 49.5 53.5 53.5 60.5 60.9 56.2 60.9 66.9 56.2 56.2 60.9 6E 67.5 60.9 60.9 7000| 14.0 57.5 57.5 GE 60001 14.0 37.1 40.8 49.5 53.5 56.2 59.5 60.5 60.5 60.9 60.9 60.9 60.9 60.5 50001 14.0 57.5 59.9 63.5 63.9 69.9 GE 37.1 40.8 49.5 53.5 56.2 59.5 60.5 60.9 66.9 4500| 14.0 4000| 14.0 67.9 59.9 60.2 GΕ 37.5 41.1 49.8 53.8 53.8 56.5 56.5 57.9 60.9 63.9 61.2 61.2 61.2 61.2 r.F 41.1 57.9 59.9 60.2 60.9 60.9 60.9 61.2 61.2 61.2 61.2 35 001 14.4 18.8 42.5 51.2 55.2 57.9 59.2 62.2 62.2 62.5 62.5 62.5 GE 61.5 62.2 62.2 62.5 62.5 30001 14.4 38.8 42.5 62.5 GE 25 001 14.4 38.8 42.8 51.5 55.5 56.2 59.5 61.5 61.9 62.5 62.5 62.5 62.9 62.9 62.9 €2.9 2001 15.1 18001 15.7 41.1 43.5 45.8 59.2 61.9 62.2 64.9 63.5 66.6 65.6 68.6 úΕ 54.8 65.9 66.6 66.6 66.6 66.9 66.9 66.9 66.9 68.9 69.9 69.9 69.9 70.2 70.2 70.2 7P.6 67.3 1503| 17.4 1200| 18.7 69.2 72.2 78.6 87.0 GE 47.8 53.5 64.5 73.9 75.9 76.9 78.9 87.3 50.8 70.2 10001 18.7 50.8 89.6 90.6 91.3 91.6 92.0 92.0 92.0 92.0 GE 58.5 72.2 78.6 A 3 . 3 86.3 88.6 9001 19:1 8001 19:1 51.8 52.8 73.2 74.6 79.9 87.6 90.6 91.6 92.6 93.3 93.6 GE GE 59.5 94.0 94.0 94.0 94.0 96.0 96.0 96.0 60.5 86.0 96.C GE 52.8 63.9 75.3 87.3 90.3 93.C 95.3 96.3 97.0 97.3 97.7 90.0 6131 19.1 98.7 ьE 5 3 . 2 61.2 75.9 83.3 88.3 91.3 94.0 96.3 7.3 98.7 98.7 98.7 98.7 98.7 GE 5001 19.1 53.2 61.2 75.9 83.3 88.3 91.3 94.6 96.3 97.3 9P.C 98.3 98.7 98.7 99.7 99.7 98.7 92.0 92.0 92.0 94.6 94.6 4001 19.1 3001 19.1 5 3 • 2 5 3 • 2 89.0 89.0 97.C 97.C 98.C 99.0 99.3 99.3 99.3 99.3 GE GE 61.2 76.3 76.3 83.9 99.3 99.3 99.0 99.3 99.3 2001 19.1 97 . C 98.D 99.0 99.3 5 1 . 2 83.9 94.6 76.3 89.0 99.3 61.2 GE 1671 19.1 89.O 92.0 98.7 99.3 99.7 99.7 100.0 76 - 3 6F 11 19.1 5 3 . 2 76 . 3 83.9 92.0 97.0 98.0 98.7 99.0 99.3 99.7 99.7 100.0 

# GLOBAL CLIMATOLOGY BRANCH USAFETAC FROM HOUPLY CUSERVATIONS AIR WEATHER SERVICE/MAC

CEILING IN   GL   GE   GE   GE   GE   GE   GE   GE	ST	ATION N	UMBER:	225560	STATION NAME: ARKHANGELSK				USSR				PEPIOU OF RECORD: 78-87						
The content of the													MONTH	: JAN	FOURS	(LST):			
The   GL   GE   GF   GF   GF   GF   GF   GF   GF			• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • •	• • • • • • •			14			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •	
Mo CEIL   9.3   18.7   19.7   21.7   23.3   23.7   24.0															c <b>c</b>				
NO CEIL I 9.3 16.7 19.7 21.7 23.3 23.7 24.0 24.C 24.C 74.3 24.3 24.3 24.3 24.3 24.3 24.7   LC 200001 10.C 22.3 24.0 27.7 30.6 30.3 30.7 30.7 30.7 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.3  CE 180001 10.C 22.3 24.0 27.7 30.6 30.3 30.7 30.7 30.7 30.7 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0																			
NO CEIL   9.3   18.7   19.7   21.7   23.3   23.7   24.0   24.C   24.C   24.C   24.3																			
UP 20000 10.0 22.3 24.0 27.7 30.0 30.3 30.7 30.7 30.7 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0	• •	• • • • • • •	• • • • • •		•••••	• • • • • • •	• • • • •	• • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			• • • • • • •	• • • • • • • • • •	
	NO	CEIL I	9.3	18.7	19.7	21.7	23.3	23.7	24.0	24.C	24.0	24.3	24.3	24.3	24.3	24.3	24.3	24.7	
	la F	200001	10.0	22.3	24	27.7	30.6	30.3	3C • 7	30.7	3 n. 7	71.C	31.0	31.0	31.0	31.0	31.0	31.3	
GE 16COL 10.C 22.3 24.0 27.7 30.6 30.3 30.7 30.7 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0																			
LE 14CGG1 10.0 22.3 24.0 27.7 30.0 30.3 30.7 30.7 30.7 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0	GE	16000	10.5																
GE 12CCG  10.0   22.3   24.0   27.7   \$0.0   30.3   30.7   30.7   21.0   31.0														-					
DE 10CCC  14.0   14.3   38.3   45.7   50.0   5C.7   51.3   51.7   52.0   52.3   52.7   52.7   52.7   52.7   52.7   52.7   53.0    UE 9(CG  14.C   34.3   38.3   45.7   50.0   50.7   51.3   51.7   52.0   52.3   52.7   52.7   52.7   52.7   52.7   52.7    UE 8(CG  14.C   34.3   38.3   45.7   50.0   50.7   51.3   51.7   52.0   52.3   52.7   52.7   52.7   52.7   52.7    UE 8(CG  14.C   34.3   38.3   45.7   50.0   50.7   51.3   51.7   52.0    UE 6(CG  14.C   34.3   38.3   45.7   50.0   50.7   51.3   51.7    UE 8(CG  14.C   34.3   38.3   45.7   50.0   50.7   51.3    UE 8(CG  14.C   34.3   38.3   45.7   50.0    UE 8(CG  14.C   34.3   38.3   45.7    UE 8(CG  14.C   34.3   38.3   45.7    UE 8(CG  14.3   34.7   38.7   46.0    UE 8(CG  14.3   34.7   38.7   46.0    UE 8(CG  14.3   34.7   38.7   46.0    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  14.3   34.7   38.7    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   39.3    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.0   55.3   59.7    UE 8(CG  15.3   55.7   55.0   55.3    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0    UE 8(CG  15.3   55.7   55.0																			
UE 80001 14.0 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 52.7 52.7 52.7 52.7 52.7 52.7 53.0   UE 8001 14.0 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0   UE 6001 14.0 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0   UE 6001 14.0 34.3 38.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 52.7 52.7	0.					2	3., 40		-0.	, ,	500.				- • • •			• • • •	
UE 91 01 14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 52.7 52.7 52.7 52.7 52.7 52.7 53.0 E 8000 14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0 E 8000 14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0 E 8000 14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0 E 8000 14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 52.7 53.0 E 8000 14.3 34.7 38.7 40.0 50.3 51.0 51.7 52.0 52.3 52.7 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0	GE	100001	14.0	34.3	38.3	45.7	50.0	5 L . 7	51.3	51.7	52.0	52.3	52.7	52.7	52.7	52.7	52.7	53.D	
LE 80001 14.0 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.0 52.3 57.7 52.7 52.7 52.7 52.7 53.0 E																	52.7	5.3.0	
GE 70CC  14.C 34.3 38.3 45.7 50.0 50.7 51.3 51.7 52.C 52.3 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.7																			
GE         6C CO   14.C         34.3         38.3         45.7         50.0         50.7         51.3         51.7         52.0         52.3         52.7         53.0         53.0         53.0         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.0         53.3         53.0         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0         53.3         53.0	GE																		
6E 5000  14.3 34.7 38.7 46.0 50.3 51.0 51.7 52.0 52.3 52.7 53.0 53.0 53.0 53.0 53.0 53.3 66.4502  14.3 34.7 38.7 46.0 50.3 51.0 51.7 52.0 52.3 52.7 53.0 53.0 53.0 53.0 53.0 53.0 53.0 64.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 5																			
GE 45001 15.0 35.3 39.3 46.7 51.0 51.7 52.3 52.7 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0		• • • • •								•	3-1-								
GE 4CC0  15.0 35.3 39.3 46.7 51.0 51.7 52.3 52.7 53.C 53.3 53.7 53.7 53.7 53.7 53.7 54.0 54.3 55.3 35.0 15.0 35.3 39.3 46.7 51.3 52.0 52.7 53.6 53.3 53.7 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	ЬĒ	50001	14.3	34.7	38.7	46.0	59.3	\$1.0	51.7	52.0	52.3	52.7	53.7	53.0	53.0	53.0	53.0	53.3	
GE 4CC0  15.0 35.3 39.3 46.7 51.0 51.7 52.3 52.7 53.C 53.3 53.7 53.7 53.7 53.7 53.7 54.0 54.3 55.3 35.0 15.0 35.3 39.3 46.7 51.3 52.0 52.7 53.6 53.3 53.7 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	GE	45001	14.3	14.7	38.7	46.0	50.3	51.0	51.7	52.0	52.3	52.7	53.0	53.0	53.0	53.0	53.0	53.3	
GE 35.00 15.0 35.3 39.3 46.7 51.3 52.0 52.7 53.6 53.0 54.7 55.0 55.3 55.3 55.3 55.3 55.7   WE 25.00 15.7 25.0 43.3 50.7 55.7 56.3 57.0 57.3 57.7 58.0 58.3 58.3 58.3 58.3 58.3 58.7   WE 25.00 16.3 42.7 47.0 55.3 60.3 61.3 62.0 62.3 62.7 63.0 67.3 63.3 63.3 63.3 63.3 63.3 63.7   WE 25.00 18.3 50.7 55.7 56.3 57.0 57.3 57.7 58.0 57.3 57.7 58.0 57.3 57.7 58.0 57.3 57.7 58.0 57.3 57.7 58.0 57.3 63.3 63.3 63.3 63.3 63.3 63.7   WE 25.00 18.3 50.7 60.0 65.3 60.3 61.3 62.0 62.3 62.7 63.0 67.3 63.0 67.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69	GE													53.7		53.7			
GE         3CCO  15.3         36.7         40.7         48.0         52.7         53.3         54.0         54.3         54.7         55.0         55.3         55.3         55.3         55.3         55.3         55.3         55.7           GE         25001         15.7         35.0         43.3         50.7         55.7         56.3         57.0         57.3         57.7         58.0         58.3 <td< td=""><td>GE</td><td>35.001</td><td>15.0</td><td>35.3</td><td>39.3</td><td>46 . 7</td><td>51.3</td><td>52 an</td><td>57.7</td><td>53.C</td><td>53.3</td><td>53.7</td><td>54.0</td><td>54.0</td><td>\$4 • D</td><td>54.0</td><td>54.0</td><td>54.3</td></td<>	GE	35.001	15.0	35.3	39.3	46 . 7	51.3	52 an	57.7	53.C	53.3	53.7	54.0	54.0	\$4 • D	54.0	54.0	54.3	
GE 1001 19.3 51.3 64.7 79.3 87.C 90.3 92.7 93.3 94.0 94.3 94.7 95.0 95.3 95.3 95.3 95.3 95.7 95.7 GE 9001 19.3 55.7 61.3 81.0 89.0 92.3 94.7 95.7 94.7 94.7 94.7 94.7 94.7 94.7 95.0 GE 9001 19.3 55.7 67.0 82.0 90.7 94.0 96.3 97.3 98.0 98.3 98.7 98.7 98.7 98.7 98.7 98.7 99.0 GE 9001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.3 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0	66	30 001	15.3	36.7	40.7	48 . U	52.7		54 • C	54.3	54.7	55.0	55.3	55.3	55.3	55.3	55.3	55.7	
GE 1001 19.3 51.3 64.7 79.3 87.C 90.3 92.7 93.3 94.0 94.3 94.7 95.0 95.3 95.3 95.3 95.3 95.7 95.7 GE 9001 19.3 55.7 61.3 81.0 89.0 92.3 94.7 95.7 94.7 94.7 94.7 94.7 94.7 94.7 95.0 GE 9001 19.3 55.7 67.0 82.0 90.7 94.0 96.3 97.3 98.0 98.3 98.7 98.7 98.7 98.7 98.7 98.7 99.0 GE 9001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.3 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 99.7 100.0 GE 1001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0																			
GE 18CQ1 17.3 46.3 5C.7 60.0 65.3 66.7 67.7 68.C 68.3 68.7 69.0 69.0 69.0 69.0 69.0 69.3 UE 15001 18.3 5C.3 54.7 65.3 71.5 73.0 74.0 74.3 74.7 75.C 75.3 75.3 75.3 75.3 75.7 75.7 UE 12CQ1 19.3 55.7 61.3 73.7 80.7 83.0 84.7 85.C 85.3 85.7 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.3 UE 12CQ1 19.3 55.7 61.3 73.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80	υE	25 00 1	15.7	3 9 • C	43.3	50 • 7	55.7	56.3	57.0	57.3	57.7	58 • 0	58.3	58.3	58.3	58.3	58.3	58.7	
UE 15001 18.3 5C.3 54.7 65.3 71.3 73.0 74.0 74.3 74.7 75.0 75.3 75.3 75.3 75.3 75.7 UE 12C01 19.3 55.7 61.3 73.7 89.7 83.0 84.7 85.0 85.3 85.7 86.0 86.0 86.0 86.0 86.0 86.3 86.3 86.3 86.3 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0	GE	20 CO	16.3	42.7	47.0	55 • 3	60.3	61.3	62.0	62.3	62.7	63.0	67.3	63.3	63.3	63.3	63.3	63.7	
GE         12CO          19.3         55.7         61.3         73.7         89.7         83.0         84.7         85.0         85.1         85.0         86.0	68	18001	17.3	46.3	50.7	60.0	65.3	66.7	67.7	68.0	68.3	68.7	69.0	69.0	69.3	69.0	69.0	69.3	
GE       17 GO        19.3       51.3       64.7       79.3       87.0       90.3       92.7       93.3       94.0       94.3       94.7       94.7       94.7       94.7       94.7       94.7       95.0       95.3       95.3       95.3       95.3       95.3       95.3       95.3       95.3       95.3       95.7       66.2       95.3       95.3       95.3       95.7       96.7       96.3       96.7       97.0       98.0       98.0       98.0       98.0       98.0       98.0       98.0       98.0       98.7       98.7       98.7       98.7       98.7       98.7       98.7       98.7       98.7	υE	15001	18.3	50.3	54.7	65.3	71.3	73.6	74.0	74.3	74.7	75 • C	.75 • 3	75.3	75.3	75.3	75.3	75.7	
GE         9001 19.3         58.0         65.3         80.0         87.7         91.0         93.3         94.0         94.7         95.0         95.3         95.3         95.3         95.7         95.7         66.3         81.0         89.0         92.3         94.7         95.7         97.0         98.0         98.0         98.0         98.0         98.0         98.0         98.0         98.7	ĿΕ	12501	19.3	55.7	61.3	73.7	89.7	83.0	84.7	85.C	85.3	85.7	86.0	86.0	86.0	66.0	86.0	86.3	
GE         9001 19.3         58.0         65.3         80.0         87.7         91.0         93.3         94.0         94.7         95.0         95.3         95.3         95.3         95.7         95.7         66.3         81.0         89.0         92.3         94.7         95.7         97.0         98.0         98.0         98.0         98.0         98.0         98.0         98.0         98.7																			
GE 6001 19.7 59.0 66.3 81.0 89.0 92.3 94.7 95.7 96.3 96.7 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97	űE	10001	19.3	57.3	64.7	79 • 3	87.C	96.3	92.7	93.3	94.0	94.3	94.7	94.7	94.7	94.7	94.7	95.0	
LE 709 19.2 59.7 67.0 82.0 90.7 94.0 96.3 97.3 98.0 98.0 98.0 98.0 98.0 98.7 98.7 99.0 66.7 97.3 97.3 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7	GΕ			58.0	65.3	8ე.ე		91.0				95.0	95.3	95.3	95.3	95.3	95.3	95.7	
GE         6UC          19.3         55.7         67.0         82.0         90.7         94.0         96.3         97.3         98.0         98.3         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         98.7         99.0           GE         500          19.3         55.7         67.0         82.3         91.3         94.7         97.0         98.0         98.7         97.3         99.7         100.0         0         0         98.0         98.7         99.0         99.3         99.3	GE	8 cg	19. 7	55.€	66.3	81.0	89.0	92.3	94.7	95.7	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.3	
GE 500  19.3 55.7 67.0 82.0 90.7 94.0 96.3 97.3 98.0 98.3 98.7 98.7 98.7 98.7 98.7 98.7 99.0 0E 400  19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.3 99.7 0E 200  19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.3 99.7 0E 200  19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 0E 100  19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 0E 11.0 11.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0	LΕ	7091	19.3	55.7	67.3	81.7	90 • C	93.3	95.7	96.7	97.3	97.7	8 8 • O	98.0	98.0	98.0	99.0	98.3	
EE 4001 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 97.0 99.3 99.3 99.3 99.3 99.3 99.7 6E 7001 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.3 99.7 99.7 6E 2001 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 6E 1001 19.3 69.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0	Ŀŧ	6001	19.3	55.7	67.0	82.0	90.7	94.0	96.3	97.3	98.0	98 • 3	9 P • 7	98.7	98.7	98.7	98.7	99.0	
GE 3001 19.3 55.7 67.2 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.3 99.7 GE 2001 19.3 55.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 65.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 31 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0	GE	5 20 [	19.3	55.7	67.0	82 • u	90.7	94.0	96.3	97.3	98.C	98 • 3	98.7	98.7	98.7	98.7	98.7	°9.0	
GE 2001 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 GE 1001 19.3 65.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0 GE 01 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0	CE				67.0	82.3	91.3	94,7	97.0	98.0			99.3	99.3	99.3				
GE 100 19.3 49.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.7 99.7 100.0 UE 7 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0	GE	1001	19.3	55.7	67	82.3	91.3	94.7	97.0	98.C	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.7	
UE 01 19.3 59.7 67.0 82.3 91.3 94.7 97.0 98.0 98.7 99.0 99.3 99.3 99.3 99.7 99.7 100.0	GΕ			55.7	67.0	82+3	91.3	94.7	97.0	98.C	98.7	99.0	99.3	99.3	99.3	99.7	99.7	100.0	
••••	GE	1001	19.3	c 5 . 7	67.0	82 . 3	91.3	94.7	97.0	98. C	98.7	99.0	99.3	99.3	99.3	99.7	99.7	100.0	
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ENCENTAGE ENGLUENCY OF OCCURPENCE OF CELLING VERSUS VISIBILITY FROM HOURLY COSESVATIONS

		•					ANGELSK	U3' #				PECENS MONTH	υ <b>ε</b> ≈ες: : JΔ*.	0F0: 78 HOURS	-67 (LST):		
	LING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STATE	. <i>.</i>	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
FE	N I	1.E			4	!	et 2 1/2	64	عی 1-17-2	0E 1 1/4	GF 1	16	6. 57.4	5E 1/2	6E 5716	GE 1/4	GE U
	CEIL I		19.8	21.5	23.4	; u . #	£ 4 + B	24.4	25.4	25.4	25.4	20.4	25.4	25.4	25.7	25.7	76.1
	500001		24.1	26.7	!C •	11.3	31.0	51 + 7	31.7	31 - 7	41.7	31 - 7	31.7	31.7	32.0	32 • C	72.3
	187 001		24.1	26.7	. 2	31.44	11.0	31 - 7	31.7	33.1	13.7	31.7	11.7	31.7	12.0	32.0	32.3
	162531		24.1	26 - 7	50 · u	31.C	31.0	51.7	31.7	31.7	71.7	31.7	11.7	31.7	72.0	37.0	32.3
	147001		34.1	26.1	16.00	71.0	31.0	51 • 7	11.7	31.7	31.7	31.7	31.7	31.7	72.0	32.0	12.3
bt	126 001	12.0	4.1	26 +1	3 L + W	31.0	31.0	31.7	31.7	31.7	31.7	31 - 7	71.7	31.7	32.0	32.0	32.5
ls é	100001	14.5	3 2 . 3	37.2	45.5	47.5	48.5	50.5	50.5	50.5	50.6	50.4	50 · H	50.8	51.2	51.2	51.5
	90.001		33.3	37.5	45.5	47.5	46.5	50.5	50.5	50.5	50.8	50.8	50.6	53.8	*1.2	51.2	51.5
GE	87631	14.5	* 2 . 3	37.3	45.5	47.5	48.5	50.5	50.5	50.5	50.8	57.8	รฉีงส	50.8	51.2	51.2	51.5
υ£	75.001	14.5	11.3	37.3	45.5	47.5	48.5	50.5	50.5	50.5	50 . 8	50.0	50.8	53.8	51.2	51.2	51.5
G€	6-601	14.5	22.3	37.3	45.5	47.5	48.5	50.5	50.5	50.5	50.8	57.0	50.0	50.8	51.2	51.2	51.5
G.E	50 401	14.5	3 3 - 3	37.7	45.5	47.5	48.5	50.5	50.5	50.5	50 • F	50.0	50.8	50.8	51.2	51.2	51.5
GE	45 001		32.3	37.3	45.5	47.5	46.5	50.5	50.5	50.5	50.6	50.0	50.8	53.8	51.2	51.2	51.5
GŁ	40001		* 3 . 3	37.3	45.5	47.5	48.5	50.5	50.5	50.5	50.8	5 n . A	57.8	50.8	51.2	51.2	51.5
GE	35 001		33.7	37.6	45.9	47.9	48.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.5	51.5	51.8
GE	30001		34.0	38.0	46.2	48.2	49.2	51.2	51.2	51.2	51.5	51.5	51.5	51.5	c1.8	51.8	52.1
GE	25 CG I	16.2	37.6	41.6	49 . 8	51.8	52.8	54.8	54.8	54.8	55.1	55.1	55.1	55.1	55.4	55.4	55.8
GE	20001		35.9	44.2	52 • 8	55.1	56.1	58.1	58.1	58 1	58.4	50.4	58.4	58.4	68.7	59.7	59.1
GE	18001		41.9	47.2	56.4	59.1	60.4	62.4	62.4	62.1	63.C	6 7.0	63.0	63.0	63.4	63.4	63.7
GE	15001		47.5	53.6	65 . 7	68.3	69.6	71.6	71.6	71.9	72.9	72.9	72.7	72.9	73.3	73.3	73.6
GE	12 00 1		5 2 • 5	61.4	75 . 2	79.5	81.2	83.5	83.5	83.8	94.5	84.9	64.8	84.8	85.1	85.1	85.5
GE	10001	, a . 5	55.8	64.7	80.9	86.1	67.8	90.8	90.8	91.1	92.1	92.1	92.1	92.1	92.4	92.4	92.7
GE		10.5	56.1	65.5	81.2	86.8	86.4	91.4	92.1	92.4	93.4	93.4	93.4	93.4	93.7	93.7	94.1
GE		18.5	56.8	65.7	92.5	68.1	89.8	92.7	93.4	93.7	94.7	94.7	94.7	94.7	95.0	95 D	95.4
ÚΕ		18.5	57.1	66.	92.6	88.8	96.8	93.7	94.4	94.7	95.7	95.7	95.7	95.7	96.0	96.0	96.4
υĒ	6001	18.5	57.4	66.3	83.5	89.4	91.7	94.7	95.4	95.7	95.7	96.7	96.7	96.7	97.0	97.0	97.4
GΕ	5.651	18.5	57.4	66.3	84.2	90.8	93.1	96.0	96.7	97.0	99.0	98.0	98.0	98.0	98.3	98.3	98.7
GΕ		19.5	57.4	66.3	94.2	90.8	93.1	96.0	96.7	97.C	98.0	98.0	98 • ()	98.0	98.3	98.3	98.7
GĒ		18.5	57.4	66.3	84.2	91.1	93.4	96.4	97. C	97.4	98.3	98.3	98.3	98.3	98.7	98.7	99.0
GE		18.5	57.4	66.3	94.2	91.1	93.4	96.4	97.C	97.4	98 . 3	90.3	98.3	98.3	99.0	99.0	99.3
GΕ		19.5	57.4	66.3	84 . 2	91.1	93.4	96.4	97.C	97.4	98.3	98.3	98.3	98.3	99.0	99.3	100.0
GE		18.5	57.4	66.3	84.j	91.1	93.4	96.4	97.0	97.4	98.3	98.3	98.3	98.3	99.0		100.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PEPICO OF RECORD: 78-87 MONTH: JAN HOURS(LST): VISIGILITY IN STATUTE MILES
GE GE GE GE
. '''? 1 1/4 1 ALL CEILING CEILING IN | GE FEET | 10 GE GE GE 6 6 E 5 GE 4 GE GE GE 2 1 1/2 1 1/4 GE 3 2 1/2 7/4 5/8 1/2 5/16 1/4 0 23.C 23.C 27.3 NO CEIL | 13.7 18.1 19.2 21.7 22.2 22.8 23.1 23.3 23.7 20 . 7 29.9 31.0 GE 200001 12-2 24.3 26.9 28.4 29.1 30.2 30.2 30.4 30.6 30.6 30.8 31.0 31.0 GE 160001 12.2 GE 160001 12.2 24.3 29.1 29.1 29.9 29.9 30.2 30.2 30.8 30.8 30.8 22•7 22•7 26 . 9 28.4 30.2 30.4 30.6 30.6 30.6 31.0 31.0 31.0 31.0 26.9 31.0 31.0 30.2 30.6 31.0 26.9 29.4 29.1 30.2 30.4 24.3 31.0 31.0 GE 120001 12.2 24.3 28.4 29.9 30.2 30.2 30.4 30.6 30.6 30.8 31.0 GE 100001 15-5 3 3 - 3 43.4 37.1 46.8 46.3 49.6 50.3 50.4 50.8 5: 4 51.4 51.7 51.8 51.6 51.9 48.3 GE 90001 15.5 33.3 37.1 43.4 46.8 49.6 50.3 50.4 50.8 51.4 51.4 51.4 51.4 51.7 51.8 51.8 51.9 51.8 52.0 í.F 80001 15.5 33.3 37.1 43.4 46.8 48.3 49.6 50.3 50.4 50.8 51.7 70001 15.5 33.3 37.2 37.2 43.6 43.6 49.7 50.4 50.6 51.5 51.5 51.8 52 . Q GΕ 46.9 48.4 50.9 52.1 50.4 50.6 51.1 51.3 51.8 GΕ 50001 15.6 33.4 37.3 43.7 47.1 49.9 53.6 50.7 52.2 51.7 52.0 52.1 52.1 4500| 15.7 4000| 15.8 32.6 33.8 37.5 37.7 48.8 50.1 50.8 51.3 51.C 51.5 51.9 52.4 51.9 52.4 52.2 52.7 52.3 52.3 52.9 52.4 υE 43.9 47.3 47.8 44.4 GE 35 COL 16.0 34.2 38.1 44.8 48.3 49.8 50.4 51.0 51.8 51.9 52.3 52.9 52.9 53.2 53.3 53.3 3.001 16.2 υE 34.6 38.8 45.4 48.9 52.4 52.9 53.5 53.5 54.0 54.0 51.7 52.6 54.0 25001 16.9 36.3 40.7 47.7 51.2 52.7 54.0 54.7 54.9 55.2 55.9 59.8 56.4 56.3 56.3 56.1 GF. 2°00| 17.8 1800| 18.2 35.4 44.C 47.0 51.4 58.9 58.7 63.1 58.9 59.2 63.7 59.8 60,1 60.3 60.3 60.3 GE 41.8 63.3 64.4 64.4 64.6 64.8 55 • 1 59.2 61.0 62.4 64.8 64.9 72.6 73.0 61.0 66.4 68.7 70.1 71.C 71.4 71.8 72.6 73.0 υE 12001 20.1 51.2 58.9 70.7 76.6 79.8 81.8 82.7 83.3 83.5 84.7 84.7 84.9 95.1 85.1 P5.2 1000| 20.4 900| 20.5 800| 20.5 GE 52.8 53.4 54.0 AA. 7 91.0 91.G 92.9 91.3 93.2 91.5 93.3 61.3 74 . 7 61.5 85.2 87.6 89.4 90.1 91.5 91.5 GE 90.4 91.2 97.8 93.3 62.1 76.0 83.0 86.8 89.1 92.0 93.4 77.0 GE 90.2 91.7 92.5 93.3 94.2 94.3 94.6 94.8 94.8 7501 20.7 54.5 91.7 92.6 6E 63.4 77.9 85.4 89.3 93.2 94.1 95 A C 95.9 96.0 96.4 96.5 96.5 96.6 86.2 ŀΕ 90.2 űΕ c 301 20.7 55.1 64.1 79.0 86.9 90.9 95.8 96,07 97.7 97.8 98.2 98.4 98.4 98.5 55.1 55.1 64.3 19 • 2 19 • 2 87.2 87.2 91.2 95 · 2 95 · 3 96 • 1 96 • 2 97.C 97.2 9P.0 9P.1 98 • 1 98 • 2 98.5 98.6 98.7 98.8 98.7 98.8 18.8 98.9 GF 4001 20.7 93.6 3201 22.7 93.7 64.3 99.5 2001 27.7 94.1 98.2 98.8 99.4 99.4 1001 20.7 100.0 55.1 79.6 87.2 91.2 93.7 95.3 96.3 97.2 94.1 98.3 98.9 99.5 99.6 GE nl 20.7 97.2 98.1 98.3 98.9 99.6 100.0 5.5 . 1 64.3 79.2 87.2 91.2 93.7 95.3 96.3 99.5

GLOBAL CLIMATOLOGY BRANCH USAFETAC

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: FEB HOURS(LST): 0000-0200 LILING VISIBILITY IN STATUTE MILES CE IL ING GE GE 3 2 1/2 G F 5 GF GF GE GE GE 2 1 1/2 1 1/4 GE 1 GF GE FEET 1 10 1/4 5/8 1/2 5/16 1/4 6 NO CEIL | 13.6 27.2 27.6 27.9 20.7 28.7 29.7 28.7 28.7 28.7 32.4 32.4 32.4 29.8 30.9 6E 20000] 14.3 25.7 30.5 30.5 32.4 32.4 32.4 32.4 GE 187601 14.3 GE 160001 14.3 25.7 27.9 29 • 8 29 • E 29.8 30.5 30.5 30.5 30.5 30.9 30.9 31.6 31.6 32.4 32.4 32.4 32.4 32.4 32.4 27.9 29.8 31.6 32.4 32.4 32.4 32.4 32.4 32.4 GE 120001 14.3 25.7 27.9 29.8 30.5 30.5 30.9 31.6 31.6 32.4 32.4 32.4 32.4 32.4 GE 100001 19.5 55.9 57.0 57.0 57.0 42.3 46.0 50.7 52.2 54.0 54.0 54.8 55.5 56.5 56.6 57.0 57.0 90 CD | 19.5 80 CD | 19.5 54.0 54.0 42.3 46.0 52.2 54 .0 54.8 55.5 55.5 55.9 56.6 56.6 57.0 57.0 57.0 57.0 57.0 GE 50 · 7 GE 42.3 46.3 52.2 54.0 54.0 54.8 55.9 56.6 56.6 57.0 70001 19.5 57.0 57.0 42.3 46.0 50 . 7 52.2 54.0 54.8 55.9 56.6 56.6 57.0 57.0 Ŀ£ 57.0 54.0 57.0 57.0 60C0 | 19.5 6.5 50001 19.5 42.3 50 - 7 52.2 54.0 54.0 54.8 55.5 55.9 56.6 56.6 57.7 57.0 57.0 57.0 4500| 19.5 4000| 19.5 46.0 46.0 52.2 52.2 54.0 54.0 54.0 54.0 57.0 űΕ 42.3 50.7 54.8 55.5 55.9 56.6 56.6 57.0 57.0 57.0 50 . 7 54.8 55.5 56.6 57.0 57.0 57.0 GE 35 COL 19.5 43.0 46.7 51.5 52.9 54.8 54.8 55.5 56.3 56.6 57.4 58.5 57.4 57.7 57.7 57.7 57.7 35001 19.9 43.8 52 + 6 δĘ 25001 20.6 45.2 49.3 54.8 59.6 59.2 59.9 61.0 61.4 £1.4 56.3 58.5 58.5 60.3 61.3 61.4 2000 | 21.7 1800 | 22.4 52.9 61.0 63.2 63.2 64.0 65.1 65.8 68.0 66.2 68.4 56.2 68.4 GE 48.9 64.7 64.8 66.2 66.2 61.4 66.9 60.0 68.4 5 ( . 4 ьE 15 00 | 22.4 1200 | 23.5 74 • 3 87 • 5 52.2 57.0 68.8 71.0 71.3 72.1 72.8 73.2 71.2 73.9 74.3 74.3 74.3 58.0 87.1 87.1 87.5 87.5 GΕ 64.3 77.2 80.5 83.8 84.2 85.3 86.0 36.4 88.6 91.8 89.5 91.5 92.6 10001 23.9 62.5 91.5 91.9 92.6 93.0 93.0 93.0 93.0 68.0 91.6 85.3 90.8 GE 95.6 9501 23.9 8601 23.9 63.6 69.1 87.1 87.5 93.4 04.5 45.6 95.2 95.2 95.6 95.6 95.6 95.2 96.3 96.7 63.6 83.5 96.3 96.7 96.7 96.7 GE 91.9 GE 7001 23.9 88.2 92.6 93.4 95.2 63.8 63.6 GΕ 6601 23.9 63,6 69.1 89.6 93.0 94.1 96.C 97.4 97.8 90.5 98.5 98.9 98.9 98.9 98.9 83.8 5 Col 23.5 69.1 97.4 98.5 98.9 98.9 GF 67.6 83.H 88.A 93.0 94.1 96.C 07.8 98.5 98.9 98.9 97.4 97.8 97.8 4001 23.9 69.1 94.1 96.C 98.9 98.9 98.9 63.6 98.5 98.5 98.5 98.9 83.8 93.0 LΕ 88.6 3001 23.9 63.6 69.1 93.6 88.6 94.1 98.5 98.9 98.9 98.9 98.9 98.5 GF, 2001 23.9 61.6 69.1 83.6 88.6 93.0 94.1 96.0 97.4 97.8 98.5 98.9 98.9 98.9 98.9 94.1 69.1 100.0 1001 23.9 98.5 98.9 83.8 93.0 96.0 88.6 CI 23.9 69.1 88.6 93.6 94.1 98.5 98.9 98.9 98.9 96.0 97.4 97.6 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM +OURLY OBSERVATIONS

ST	ATION N	UMBER:	2 2 55 G C	STATI	ON NAME:	ARKI	HANGELSK	USSR				PERIOD	OF PEC	ORD: 78	-87		
												MONTH			(LST):	-	
	ILING	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • •	• • • • • • • •			IN STAT			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
		GE	GE	GΕ	GE	GE	GE	GE	GE	GE	GE		G E	GE	GΕ	GŁ	GE
	EET I		- t	5	4	3		2			1	7/4	5/8	1/2	5/16	1/4	٥
• •		• • • • •				• • • • •		• • • • • •								•	
NO	CEIL	11.1	21.6	25.1	26 • 9	26.9	26.9	26.9	27.3	27.3	27.3	2 3	28 • O	28.0	28.0	28.0	28.0
fir	200001	13.3	25.8	29.9	31.7	32.1	32.5	32.5	32.8	32.8	12.8	33.6	33.6	33.6	33.9	33.9	33.9
-	180.001		25.8	29.9	31.7	32.1	32.5	32.5	32.8	32.8	32 . 8	37.6	33.6	33.6	33.9	33.9	33.9
	160001		25.8	29.9	31.7	32.1	32.5	32.5	32.8	32.8	32.8	33.5	33.6	33.6	33.9	37.9	33.9
	140001		25.8	29.5	31.7	32.1	32.5	32.5	32.8	32.8	32.8	37.6	33.6	33.6	33.9	33.9	33.9
GE	125001	13.3	25.8	29.9	31.7	32.1	32.5	32.5	32 · B	32 · A	32 • 8	37.6	33.6	33.6	33.9	33.9	33.9
	100001		36.0	44.3	48.7	50.9	53.1	53.5	53.9	53.9	53.9	54.5	54.6	54.6	55.0	55.4	55.4
68	90001		2 8 • C	44.3	48 • 7	50.9	53.1	53.5	53.9	53.9	53.9	54.6	54.6	54.6	55.0	55.4	55.4
GE			38.C	44.3	48 • 7	50.9	53.1	53.5	53.9	53.9	53.9	54.6	54.6	54.6	55.0	55.4	55.4
GE			3 E • C	44.3	48 • 7	57.9	53.1	53.5	53.9	53.9	53.9	54.6	54.6	54.6	55.0	55.4	55.4
GE	et. ra	10.5	38.7	44.3	48.7	20.9	53.1	53.5	53.9	53,9	53.9	54.5	54.6	54.6	55.0	55.4	55.4
GE	50 00 1	10.5	38.4	44.6	49 • 1	51.3	53.5	53.9	54.2	54.2	54.2	55.7	55.0	55.0	55.4	55.7	55.7
٥E	45 LOT	18.5	38.4	44.6	49.1	51.3	53.5	53.9	54.2	54.2	54.2	55.0	55.0	55.0	45.4	55.7	55.7
GΕ	40001	18.5	39.1	45.4	49.8	52.0	54.2	54.6	55.0	55 . L	55 • C	55.7	55.7	55.7	56.1	56.5	56.5
GΕ	35.60	18.5	39.1	45.4	49.8	52.C	54.2	54.6	55.C	55.0	55.0	55.7	55.7	55.7	56.1	56.5	56.5
GE	30 60 1	19.2	35.9	46.5	50.9	53.1	55.4	55.7	56.1	56.1	56.1	56.8	56.8	56.9	57.2	57.6	57.6
٥E	25 001	19.9	42.8	49.0	54 • 2	56.5	58.7	59 .n	59.4	59.4	59.4	60.1	50.1	63.1	63.5	60.9	6C.9
GE	20 00 1		45.8	52.8	59.5	61.3	63.5	63.8	64.2	64.2	64.2	64.9	64.7	64.9	65.3	65.7	65.7
GE	18 00 1		47.2	54.6	61.3	63.8	66.1	66.4	66.8	66.8	66 • 8	67.5	67.5	67.5	67.9	69.3	68.3
ι,E	15001	22.5	56.6	58.7	65.7	69.J	71.2	72.0	72.7	72.7	72.7	73.4	73.4	73.4	73.8	74.2	74.2
ĞĒ	12001		5 è • 1	66.4	76 . 8	81.5	83.8	84.9	85.6	86.3	A6.3	87.1	87.1	87.1	A7.5	87.8	67.8
GE	15.001	24.7	57.9	69.7	61.5	86.7	9 C • G	91.9			01	94.8	94.8	94.8	95.2	95.6	95.6
GE		24.7	57.9	69.7	81.5	86.7	96.4	92.3	92.6 93.0	93.7 94.1	94.1	95.2	95.2	95.2	95.6	95.9	45.9
GE		24.7	57.9	72.1	82.3	87.5	91.1	93.0	93.7	94.8	95.2	94.9	95.9	95.9	96.3	96.7	96.7
GE	-	24.7	59.6	71.2	83.4	68.6	92.3	94.1	94.8	95.9	96.3	97.0	97.0	97.0	97.4	97.8	97.6
υĒ		24.7	59.6	71.2	93.4	£8.6	92.3	94.5	95.6	96.7	97.C	97.8	97.5	97.9	98.2	98.5	98 • 5
GE		24.7	5.5+0	71.2	R3.4	88.6	92.3	94.5	95 • 6	96.7	97.C	97.R	97.8	97.8	98+2	98.5	98.5
GE		24.7 24.7	59.0 59.0	71.2	63.4 83.4	68.6 88.6	92.3 92.3	94.5	95.6	96.7	75 · 0	97.A	97.6	97.8	98.2	98.5	98.5
UE		24.7	59.0	71.2	83.4	68.6	92.3	94.5	95.6	96.7	97.C	97.8	47.8	97.8	98.2	98.5	98.5 98.9
68		24.7	59.0	71.2	83.4	88.6	92.3	94.5	95.6 95.6	96.7	97.0 97.0	97.8 97.8	97.8 97.8	97.8 97.8	98.5 98.5	98.9 99.3	100.0
0.2	1 .01	27.	3700	11.02	03.7	97.0	7 2 • 3	74.5	77.0	96.7	7141	3140	71.5	71.0	7013	77.3	100.0
GE	^ l	24.7	59.6	71.2	A3.4	88.6	92.3	94.5	95.6	96.7	97.0	97.R	97.8	97.8	98.5	99.3	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: FEB HOURS(LST): 0600-08CC CF IL ING IN | GL FEET | 10 1N | GL GE GE GE GE FEET | 10 6 5 4 3 2 1/2 5/8 a 1/2 5/16 1/4 ..... NO CEIL 1 3.3 25.0 23.5 23.9 24.6 24.6 25.0 25.0 GE 200 301 12.7 30.6 25.4 29.9 30.6 31.3 31.7 31.7 31.7 31.7 32.1 32.1 26.9 29.1 30.6 31.3 31.3 GE 180001 12.7 26.9 30.6 31.3 31.7 31.7 31.7 31.7 21.7 32.1 32.1 36.6 30.6 GE 160001 12.7 GE 140001 12.7 GE 120001 12.7 25.4 26.9 29.1 27.9 30.6 30.6 30.6 31.3 31.7 32.1 32.1 30.6 25.4 29.9 3C.6 30.6 30.6 30.6 GE 10000| 17.5 37.3 39.6 45.9 47.8 49.6 50.0 50.0 50.7 50 . 7 51.5 51.5 51.5 51.5 51.9 51.9 9000| 17.5 8000| 17.5 7100| 17.5 47.8 39.6 49.6 50.0 50.0 50.C 50.7 50.7 51.5 51.5 51.5 51.5 51.5 51.9 51.9 GΕ 37.3 45.9 51.5 39.6 39.6 47.8 49.6 50•€ 50.7 50.7 51.5 51.5 51.9 ĿΕ 37.3 45.9 47.8 49.6 50.0 50.C 50.7 50.7 51.5 51.5 51.5 51.5 51.9 51.9 50.0 GΕ 50001 17.5 37.3 39.6 45.9 47.8 49.6 50.0 50 • C 50.7 50.7 51.5 51.5 51.5 51.5 51.9 51.9 UE UE 45 CO | 17.9 45 GO | 17.9 38.1 40.3 46 . 6 48.5 5C.4 57.7 51.1 50.7 51.5 51.5 51.9 52.2 52.2 52.6 52.2 52.6 52.2 52.6 52.6 53.0 52.6 52.6 53.0 48.9 38.4 47.C 51.1 52.6 53.0 GΕ 35001 18.3 19.9 42.2 48.5 52.6 51.4 54.1 54.1 54.1 54.1 30001 18.3 54.5 42.2 50.7 53.7 υE 48.9 53.7 54.5 54.5 54.5 54.9 54.9 25601 18.7 42.9 49.6 51.9 54.1 54.9 54.9 55.6 56.0 6E 46.3 53.7 54.1 55.6 55 . 6 55.6 56.0 2000 19.8 1900 20.1 61.2 51.9 61.9 61.9 44.4 47.4 55.2 57.8 57.8 66.1 60.4 63.8 61.2 61.9 62.3 62.3 61.2 63.4 76.9 64.6 65.3 6E 63.8 73.1 73.1 71.6 12001 23.1 64.9 76.9 82.1 A8.4 88.4 88.8 10001 23-1 66.5 92.5 93. 3 91.1 94.0 94.0 94.0 ı.F 4 F . A 79.9 86.9 8 Q . Q 91.0 94.3 94.6 ... 7001 23.1 8221 23.1 7001 23.1 92.9 93.7 93.7 94.4 94.4 94.4 94.4 94.8 94.8 61.2 GE 87.3 88.8 90.3 91.4 80.2 91.6 GΕ 68.3 81.3 92.9 94.4 95.5 95.5 56.3 96.3 96.3 96.3 96.6 96.6 97.0 GE GE 52.7 69.1 82.1 89.6 94.0 97.0 97.8 97.8 97.8 97.8 98.1 98.1 69.4 6 601 23.1 6E 5001 23.1 69.4 96.3 97.4 97.4 94.1 78.1 98.1 98.1 98.5 98.5 94.4 94.4 94.4 4001 23.1 2001 27.1 62.7 69.4 69.4 82.5 82.5 89.9 92.9 97.4 98.5 98.5 98.5 98.5 98.5 98.5 GE 96.3 97.4 98.5 98.9 98.9 96.3 97.4 98 . 5 98.9 98.9 υE 2601 23.1 1001 27.1 97.4 94.5 98.5 98.5 98.9 98.9 (.F 62.7 69.4 82.5 87.9 97.4 99.3 99. 1 R2 . 5 100.0 61 25.1 62.7 69.4 97.4 94.5 98.5 98.9 98.9 99.6 100.0 GE 97.4 82.5 89.9 92.9 94.4 96.3

GLOBAL CLIMATOLOGY RRANCHUSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY CUSEPVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: FEB POURSILS#1: 0900-1100 • • • • • • • • • • • • CE IL ING VISIBILITY IN STATUTE MILES GE IN | GE FEET | 10 GE GF 5 GE 4 GE GE GE 2 1 1/2 1 1/4 GE GE CE GE GE GE GE 6 3 2 1/2 1 3/4 1/2 5/16 1/4 NO CETE 1 6.5 11.4 12.6 13.4 13.4 13.4 13.8 13.8 13.8 14.2 14.6 14.6 14.6 14.6 15.0 GE 260001 10.6 15.1 20.7 22.4 22.8 23.2 23.6 23.6 24 . 0 24.8 24.8 74.8 24.8 24.8 25.2 24.8 24.8 24.8 GE 180001 13.6 15.1 20.7 22.0 22.4 22.8 23.2 23.6 23.6 24 . C 24.4 24.8 25.2 GE 160001 10.6 GE 140001 10.6 15.1 22.3 22.8 23.6 23.6 24 • 0 24 • 0 24.8 24.8 24.8 24.8 20.7 22.4 24.8 23.6 23.6 24.8 24.8 19.1 20.7 22.0 22.4 22.8 23.2 24.8 24.8 25.2 24.0 22.8 20.7 22 . 0 22.4 49.2 50.8 50.8 50.8 51.2 GE 100001 16.3 34.1 38.6 44.3 45.1 47.2 50 • C 5g.8 48.0 48.8 57.8 57.8 57.8 57.8 48.8 49.2 90001 16.3 34.1 38.6 44.3 47.2 48.0 50 • G 50.8 50.8 50.8 50.8 51.2 6000| 16.3 7000| 16.3 6000| 16.3 47.2 GΕ 34.1 38.6 44.3 45.1 48.3 50.C 50.8 50.8 50.8 50.8 50.8 51.2 49.2 50.8 38.6 38.6 44.3 48.8 GΕ 44 - 3 45.1 47.2 48.0 50.0 50.8 50.8 51.2 50001 16.3 38.6 45.1 47.2 50.0 50.8 50.8 50.8 50.8 ĿΕ 34.1 44.3 48.0 8.84 49.2 50.8 45001 16.7 40001 16.7 35001 16.7 57.8 51.2 51.2 52.4 49.2 50.8 34.1 38.6 44.3 45.1 47.2 48 .C 48.8 50.0 50.4 50.9 50.B 50.8 51.2 ĿΕ 34.6 51.2 51.2 51.2 51.2 51.2 51.2 51.2 52.4 GF 39.0 44.7 45.5 47.6 48.4 49.2 49.6 51.6 49.2 49.6 50.4 GE 39.0 48.4 44.7 45.5 47.6 51.6 52.8 GΕ 30 LOT 17.1 49.6 50.4 50.8 51.6 52.4 52.4 52.4 GF 25001 17.9 36.6 41.5 47.6 52 · C 52.4 53.3 54.1 54.1 54.1 54.1 54.1 54.5 59.8 2000 18.7 1800 19.5 59.A 59.8 59.8 38.6 41.9 43.5 54.9 56.5 63.6 57.7 61.8 59.8 GE 50.8 52.8 58.1 58.9 60.2 67.E 54.5 56.9 63.0 63.8 63.8 63.8 69.1 GE 14 601 20.3 44.7 50.4 58.5 61.4 63.8 65.4 67.1 67.5 68.3 69.1 69.1 69.1 69.5 51.2 58.9 79.7 81.3 69.9 76.0 11001 22.0 5 3 . 7 61.4 79.7 84.6 90.7 92.3 92.3 92.3 92.3 92.3 92.7 GΕ 73.2 86.2 89.8 88.6 9001 22.4 8001 22.4 54.1 61.ê 73.6 73.6 85.4 87.5 89.4 91.1 92.3 91.9 93.9 94.3 94.3 94.3 95.1 94.7 ն£ G€ 60.5 95.5 61.8 80.9 87.4 GΕ 001 22.4 97.2 97.6 97.6 63.4 88.2 6001 .2.4 75 . . 98.0 GE 82.5 88.2 89.8 92.7 95.5 97.6 5001 22.4 54.9 63.4 97.2 97.2 97.6 97.6 96.6 ĿΕ 75.2 82.5 88.2 89.8 92.7 94.3 95.5 460| 12.4 700| 22.4 700| 22.4 97.2 97.2 54.9 95.5 95.5 91.2 97.6 97.6 63.4 75.2 89.8 92.7 94.3 97.6 82.5 €8.2 54.9 54.9 63.4 97.6 98.8 6 F 75 . 2 82.5 86.2 89.8 94.3 98.0 95,5 98.8 GE 92.7 94.3 75.2 82.5 86.2 89.9 ٥£ 1001 22.4 95.5 97.2 98.4 98.8 99.6 100.0 94.3 1.5 21 22.4 82.5 89.8 92.1 95.5 97.7 97.2 98.4 98.8 99.6 100.0

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

GLOBAL CLIMAJOLOGY RRANCH USAFETAC AIR GEATHER SERVICE/MJC

								ANGELSK	• • •				MONTH		POURS	(LSTI:		
	LING		• • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
T FE	N		6E 10	GE L	G € 5	GF 4	GE 3	6E 2 1/2	G E 2	GE 1 1/2	GE 1 1/4	6E 1	6E 3/4	G F 5 / 8	GE 1/2	ςΕ 16</th <th>GE 1/4</th> <th>6<b>E</b></th>	GE 1/4	6 <b>E</b>
	• • • •				• • • • • •		• • • • •		• • • • • • •					• • • • • • •		• • • • • • •		
NO ·	CEIL	. 1	11.9	19.1	19.4	21.2	23.6	23+6	24.5	24.8	24.8	25.2	25.2	25.2	25.2	25.2	25.2	25.2
JΕ	abbo	:01	1 - 1	26.6	28.4	31 . 3	33.1	33.1	34.5	35.3	35.3	36 • 0	36.3	36.3	36.3	36.3	36.3	36.3
GE	1806	10,	15.1	26.6	28 • 4	31 . 3	33.1	33.1	34.5	35.3	35.3	16.0	36 . 3	36.3	36.3	36.3	36.3	36.3
ĿΕ	16CC	: o I	15.1	26.6	28.4	31.3	33.1	33.1	34.5	35.3	35.3	36 . C	36.3	36.3	36.3	36.3	36.3	36.3
υĘ	1400	10	15.1	26.6	2 A . 4	31.3	33.1	33.1	34.5	35.3	35.3	36 . D	3€ • 3	36.3	36.3	36.3	36.3	?6·3
Æ	1200	) C	15.1	26.6	28.4	31.5	33.1	3 3 • 1	34.5	35.3	35.3	36.0	36 • 3	36.3	36 • 3	36.3	36.3	36.3
E	1000	:01	21.2	43.9	48.9	58.6	62.2	63.3	65.1	67.3	67.6	69.1	67.4	69.4	69.4	69.4	69.4	€9.4
ıΈ	955	31	21.2	43.9	48.9	28.6	62.2	63.3	65.1	67.3	67.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4
ı٤	8~3	101	21.2	4 2. 9	48.9	58.6	62.2	63.3	65.1	67.3	67.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4
36	758	193	21.2	43.9	48.9	58 • 6	62.2	63.3	65.1	67.3	67.6	69.1	69.4	69.4	69.4	69.4	60.4	69.4
E	670	: O	21.2	4 2. 9	48.5	58 • 6	62.2	63.3	65.1	67.3	67.6	69.1	60.4	69.4	69.4	69.4	69.4	£9.4
E	500	.01	21.2	43.9	48.9	58 • 6	62.2	63.3	65.1	67.3	67.6	69.1	67.4	69.4	69.4	69.8	69.8	69.8
Ε	45€	10	21.2	43.9	48.9	56.6	62.2	63.3	65.1	67.3	67.6	69.1	69.4	69.4	69.4	69.8	69.8	69.8
ιE	400	ΙC	21.6	44.2	49.3	59.0	62.6	63.7	65.5	67.6	68.0	69.4	60.E	69.8	69.8	70.1	70.1	70.1
ıΈ	3° C	1c.	21.9	44.6	49.6	59.4	62.9	64.6	65.8	68.0	69.3	69.8	70.1	70.1	70.1	70.5	70.5	70.5
٠E	3 ° C	0	21.9	45.3	57.4	50.1	63.7	64.7	66.5	68.7	69.1	70.5	70.9	70.9	70.9	71.2	71.2	71.2
3.	250	21	22.1	46.0	51.4	61.2	65.5	66.5	68.3	70.5	70.9	72 . 3	77.7	12.1	72.7	73.0	73.0	73.0
E	S. C	:01	22.7	45.3	54.7	65.1	69.5	70.9	12.1	75.Z	75.5	77.0	77.3	77.3	77.3	77.7	77.7	77.7
E	1º 2	.cl	23.0	56.0	55.4	56.9	71.9	73.0	74.9	77.3	77.7	79.1	79.5	79.5	79.5	79.9	79.9	79.9
, E	150	10	23.0	5 2 . 2	59.4	70.5	75.5	76.6	7 R . 4	83.9	81.3	A 3 . 1	8 * • 5	83.5	83.5	P 3 . 8	63.8	83.8
ıξ	120	.01	24.1	55.8	62.2	74.8	8 O • 9	63.1	85.6	89.5	89.2	92.4	97.8	92.8	92.8	93.2	93.2	93.2
Ε	100	:01	24.1	56.8	64.6	78 • 4	85.3	A 7 .4	89.9	92.8	93.5	97.1	97.5	97.5	97.5	97.8	97.8	97.8
E	9 0	:51	24.1	51.2	64.4	78,8	85.6	87.8	90.3	93.2	93.9	97.5	97.B	97.8	97.8	98.2	98.2	96.2
ŀΕ	9.0	57.1	24.5	51.6	64.7	79.1	86.0	88.1	90.6	93.5	94.2	98.2	98.6	98.6	98.6	98.9	98.9	98.9
ıΕ			24.5	57.6	64.7	79.1	86.3	A 6 . 5	91.0	93.9	94.6	98.6	90.9	98.9	98.9	99.3	99.3	99.5
Ł	6 0	01	24.5	57.6	64.7	79.1	86.3	8 8 .5	91.C	93.9	94.6	98.6	9,0	98.9	98.9	99.3	99.3	99.3
E	5, 6	n)	24.5	57.6	64.7	79.1	86.3	89.5	91.0	93.9	94.6	98.6	98.9	98.9	98.9	99.3	99.3	99.3
E	4 (	::1	24.5	57.6	64.7	79.1	86.3	88.5	91.0	93.9	94.6	98.6	90.9	98.9	98.9	99.3	99.3	99.3
E	33	101	24.5	57.6	64.7	79.1	86.3	86.5	91.0	93.9	94.6	78 . 6	99.9	98.9	98.9	99.3	99.3	99.3
E			24.5	57.6	64.7	79.1	86.3	88.5	91.7	93.9	94.6	8.6	98.9	98.9	98.9	99.3	99.3	99.3
Œ	1 5	10:	24,5	57.6	64.7	79.1	86.3	88.5	91.0	93.9	94.6	98.6	99.7	98.9	98.9	99.3	99.3	100.0
ε			4.5	51.6	64.7	79.1	86.3	R A . 5	91.0	93.9	94.6	98.6	90.9	98.9	78.9	99.3		100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 78-87
MONTH: FEE HOURS(LST): 1500-1700

..... VISIBILITY IN STATUTE MILES CE IL ING GE GE 3 2 1/2 GE GF GE GE 2 1 1/2 1 1/4 1 ն լ 5 / թ GE 1/2 GE 5/16 GE 1/4 NO CEIL | 12.2 23.0 23.3 24.1 24.4 24.8 25.2 25.2 25.2 36.3 36.3 37.4 37.4 37.4 JE 230001 17.4 36 • 7 36 • 7 GE 180401 17.4 GE 160001 17.4 GE 140301 17.4 37.4 37.4 37.4 35.2 35.2 36.3 36.3 37.4 37.4 37.4 37.4 37.4 37.4 31.1 32.6 34 . 4 34.8 37.0 37.4 37.4 31.1 34 . 4 34.8 36.3 36.7 37.0 37.4 32.6 37.4 31.1 34.4 34.8 35.2 36 . 3 36.3 36.7 77.0 37.4 37.4 37.4 6E 120001 17.4 36.7 34.6 35.2 36.3 36.3 GE 100001 25.9 50.7 54.8 61.1 65.2 65.9 67.0 67.4 68.1 68.5 68.9 68.9 68.9 68.9 68.9 90001 25.9 80001 26.3 70001 26.3 69.9 54.8 65.9 67.4 68.5 68.9 68.9 68.9 68.9 50.7 61.1 66.9 68.9 5 1 · 1 5 1 · 1 55.2 55.2 61.5 65.6 69.3 69.3 69.3 6E 66.3 67.4 68.5 65.6 60.3 69.3 66.3 GΕ 6-001 26.3 51.1 55.2 61.5 65.6 67.8 68.5 68.9 69.3 69.3 69.3 69.3 GE 69.3 50001 26.3 51.1 55.2 61.5 65.6 66.3 67.4 67.8 68.5 68.9 69.3 69.3 69.3 69.3 69.3 69.3 69.9 45 col 26.3 40 JOL 27.0 51.1 51.9 66.3 67.0 69.3 69.3 70.0 69.3 69.3 70.0 55.2 61.5 65.6 67.4 67.8 68.5 69.3 55.9 62.2 68.1 68.5 69.3 69.6 70.0 70.0 70.0 70.7 6.E 35 col 47.8 52.6 56.7 63.4 67.0 67.8 69.9 69.3 70 . C 70.4 70.7 70.7 70.7 77.7 73.7 υE 25 DOJ 28.5 20 DOJ 49.9 18 DOJ 29.6 ьE 65 • 2 67.3 71.1 71.5 72.6 73.C 73.3 73.3 73.3 73.3 58.9 70.0 73.3 73.3 56.3 58.1 63.7 67.4 70.0 71.9 75.2 12.6 75.9 73.7 77.0 74.1 77.4 75.2 78.5 75.9 79.3 76.3 79.6 76.3 79.6 76.3 79.6 76.3 79.6 76.3 19.6 76.3 79.6 15001 31.7 12001 31.1 74.4 80.4 83.0 87.J 83.0 91.1 84.1 92.6 85.2 95.2 85.2 94.8 85.2 94.8 67.0 85.2 85.2 90.0 10001 31.1 9601 31.1 8601 31.1 GE 71.1 A2 . 2 90.7 91.9 93 . C. 94.4 96.3 96.7 97.7 97.0 97.0 97.0 66.3 88.9 71.1 RZ . 2 R2 . 6 88.9 97.7 97.2 97.4 98.1 97.4 46.3 97.4 96.7 91.9 98.1 66.7 92.6 93.7 97.4 98.1 r, F 95.2 97.0 91.9 600 31.1 56.7 71.5 93.Q 90 .C 91.9 93.0 97.8 99.5 98.5 98.5 98.5 5001 31.1 GF 66.7 93.3 99.4 93.7 45.1 98.5 98.5 98.9 98.9 71.5 92.2 93.3 ... 98.1 98.9 98.9 99.3 4651 31.1 3601 31.1 71.9 92.6 92.6 92.6 98.9 99.3 99.6 99.6 66.7 99.6 99.6 ſΕ 94.1 94.1 95.2 95.2 96.7 99.3 6 £ . 7 71.9 R3.7 90.7 99.6 99.6 99.6 99.6 2001 31.1 A3.7 98,9 99.6 6 E . 7 71.9 90.7 94.1 95.2 99.3 99.6 GE 96.7 99.6 99.6 1001 21.1 71.9 83.7 90.7 100.0 66.7 61 31.1 99.6 66.7 71.9 83.7 98.9 99.3 99.3 99.6 100.0 100.0 99.7 92.6 94.1 95.2 96.7

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CITLING VIRSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PEPING OF RECORD: 78-87
MONTH: FEE HOURS(LST): 1800-2000

												есилн			11.517:		
	LING	• • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••••
I I		GŁ	£.E	GE	υ£	39	GE	GE	GE	GE	GE	C.	Gr	GŁ	GE	GE	GE
FE			6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	Ü
											_						
•••	• • • • • •	• • • • •			• • • • • • •		• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
	CEIL I		25.4	24.0	27.6		7- 1	30.5	29.9	30.2	31.0	31.0	31.0	31.0	31.0	31.0	31.0
NU	CEIL I	11.7	2 5 6 4	26.9	21.0	29.1	29.1	29.5	27.7	33.2	71.0	31.0	31.0	3 . • .	71.0	31.0	,,,,
						74 7	7. 2		74 0			39.4	38.4	38.4	38.4	38.4	78.4
	100001		3€.€	32.5	33.6	36.2	36.2	36.6	36.9	37.3 37.3	38 • 1 78 • 1	30.4					•
	180001		٥. ٦٠	32.5	33.0	36.2	36.2	36.6	36.9				₹8.4	38.4	38.4	39.4	38.4
	160001		30.6	32.5	33.6	36 • 2	36.2	34 .6	36.9	37.3	38 • 1	30.4	38.4	38.4	76.4	30.4	36.4
	140,001		3 [ • 6	32.5	33.6	36 - 2	36.2	36.6	36 • 9	37.3	38 • 1	3 . 4	38.4	38.4	38.4	38.4	38.4
6E	120001	13.8	3ۥ6	32.5	33.0	36.2	36.2	36 46	36.9	37.3	39.1	35.4	38.4	38.4	38,4	30.4	76.4
										63.4			65.3	65.3	45.3	65.3	65.3
	100001		47.8	51.1	56.7	63.4	61.6	62.3	63.1		64.6	65 • 3	65.3				
UΕ	90001		47.8	51.1	56 . 7	60.4	61.6	62.3	63.1	63.4	64.6	65.3		65.3	65.3	65.3	65.3
GE	87001		47.5	51.1	56 • 7	60.4	61.6	62.3	63.1	63.4	64.6		65.3	65.3	65.3	65.3	65.3
GE	70001		47.8	51.1	56.7	6C.4	61.6	62.3	63.1	63.4	64.6	6.	65.3	65.3	65.3	65.3	(5.3
υE	PL C0	21.3	47.8	51.1	56 • 7	67.4	61.6	62.3	63.1	63.4	64.6	65.3	65.3	65.3	65.3	65.3	65.3
GΕ	57001	21.1	47.8	51.1	56.7	67.4	61.6	62.3	63.1	63.4	64.6	60.3	65.3	65.3	65.3	65.3	€5.3
GE	41001		47.8	51.1	56.7	67.4	61.6	62.3	63.1	63.4	64.6	65.3	65.3	65.3	65.3	65.3	65.3
GE	4000		47.8						63.1	63.4	64.6	6.3	65.3	65.3	65.3	65.3	65.3
6E				51.1	56 • 7	69.4	61.6	62.3			64.9	65.7	65.7	65.7	65.7	65.7	65.7
	35 00 1		48.1	51.5	57.1	60.8	61.9	62 • 7	63.4	63.8							
υĒ	3,001	44.1	5 C + C	53.4	59 . J	62.7	63.8	64.6	65.3	65.7	66 • 8	67.5	67.5	67.5	67.5	67.5	67.5
GΕ	21 651	22.0	50.7	54.5	60.0	64.6	66.0	67.2	68.3	68.7	69.5	75.5	70.5	73.5	73.5	70.5	76.5
υE	2,001		53.4	57.1	64.2	67.9	71.1	71.3	72.4	72.8	73.9	74.6	74.6	74.6	74.6	74.6	74.6
GE	10001		5 4 . 1	57.8	64.9	69.6	71.3	72.4	73.9	74.3	75.4	74 . 1	76.1	76.1	76.1	76.1	76.1
6E	15001		58.2	62.3	70.9	75.4	77.6	79.1	8 Q. 6	81.5	P2 - 1	8.7 · A	82.8	82.0	P2.8	82.0	F2.8
GE	12061		63.4	67.9	70.0	63.2	86.2	68.1	89.6	89.9	91.4	92.2	92.2	92.2	92.2	92.2	92.2
GC	1.001	2 7 6 0	( . • •	0 / 47	10.0	63.2	c c . z	00.1	6746	0,.,	78.7	*/ • /	7246	,,,,,	12.12		
GE	10001	25.6	65.3	73.1	Al.,	86.6	8 4 . 9	92.2	93.7	94.0	95.5	91.6	96.6	76.6	96.6	96.6	96.6
ĿΕ		5.0	65.3	77.1	81.5	F 7 . 3	92.7	92.9	94.4	94.8	96.3	97.4	97.4	97.4	27.4	97.4	¢7.4
GE	8.001	24.0	65.7	77.5	82.1	89.1	91.4	91.7	95.1	95.5	97.6	90.1	98.1	98.1	98.1	98.1	58.1
6F		25.0	65.7	70.5	92.1	F8.4	91.6	94.0	95.5	95.9	97.4	90.5	98.5	99.5	78.9	98.9	98.9
ΰĚ		2 ° • C	65.7	70.5	62.1	64.6	92.4	94.4	95.9	96.3	97.6	94.5	99.4	98.9	99.3	99.3	99.3
		• • •										-	•				
GE	F 40	2.4	65.7	79.5	92.1	88.6	92.2	94.4	95.4	96.3	97.8	91.5	98.9	98.9	99.3	99.3	99.3
٥E	4 001	25.0	65.7	77.5	92.1	88.8	92.2	94.4	95.9	96.3	07.E	90.9	98.9	98.9	99.3	99.3	99.3
GE		25.0	65.7	77.5	82.1	59.2	92.5	94.8	96.3	96.6	98.1	90.3	99.3	99.3	79.6	99.6	99.6
uf	2001	25.0	65.7	70.5	82.1	89.2	92.5	94.8	96.3	96.6	29.1	99.3	49.3	99.5	99.6	99.6	99.6
G E		25.C	65.7	70.5	82.1	87.2	92.5	94.8	96.3	96.6	98.1	99.3	99.3	99.3	99.6	99.6	100.0
٥E	24	25.€	65.7	73.5	82	89.2	92.5	94.8	96.3	96.6	98.1	99.3	99.5	99.3	99.6	99.6	100.0
•••	• • • • • •		· • • • • • •	• • • • • •		• • • • • •						• • • • • •	• • • • • •		• • • • • •		

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

STATION NUMBER: 2755DC STATICA NAME: ARKHANGELSK USSR

MONTH: FEE HOURS (EST): 2100-2300 VISIBILITY IN STATUTE MILES
GL GF GE GE GE
2 1 1/2 1 1/4 1 7/4 CE IL ING GE GE GE 4 3 2 1/2 CEILING IN | PE FEET | 10 1/2 5/8 5/16 1/4 n . . . . . . . . . . . . NO CETE 1 17.0 25.3 27.1 27.9 27.9 28.6 29.4 24.5 28.€ 29.4 29.4 29.7 32·3 32·3 34.6 GE 200001 16.4 33.8 34.6 34.6 34.6 33.1 33.1 GE 18mgal 16.4 GE 160001 16.4 29.4 25.4 33.8 33.8 33.8 30.5 33.1 33.8 33.8 33.8 34.5 34.6 34.6 34.6 34.9 34.€ 37.5 32.3 33.1 33.1 14.6 34.6 34.6 34 . 6 34.6 34.6 34.9 34.6 140001 33.5 32.3 33. B 34.6 34.6 34.6 34.6 34.9 UE 120001 16.4 29.4 30.5 32.3 33.1 33.1 33.8 33.6 33.8 34 . 6 34.6 34.6 6E 140001 21.9 6E 90401 21.9 45.0 42.6 53.5 50.0 50.6 52.0 54.3 54.3 54.3 55.0 55.0 55 • D 55.4 55.4 55.8 54.3 54.3 42.8 45.0 56.6 52.0 54.3 55.0 55.0 55.8 54.3 54.3 55.0 55.0 55.4 55.4 80001 21.9 42.8 45.J 52.0 53.5 54.3 55.0 55.0 55.0 55.0 55.4 42.9 42.8 54.3 55.0 55.0 55.4 55.4 ĿΕ 45.0 50.6 52.C 53.5 54.3 54.3 55.0 55.0 55.8 50.6 55.0 ιE 5mpml 21.9 42.6 45.3 50.6 52.0 54 • 3 54 • 3 54.3 54.3 55.0 55.0 4° CO1 21.9 4° E01 21.9 42.8 43.1 45.3 50.6 51.3 52.6 52.8 53.5 54.3 54.3 55.0 54.3 55.5 55.0 55.8 55.0 5°.8 55.0 55.8 55.8 55.8 55.4 56.1 ijĘ ij€ 55.4 55.8 55.0 56.5 56.1 30001 21.9 30001 23.6 51 · 3 53 · 5 54.3 55.0 55.8 55.9 55.0 56.5 57.2 57.2 57.2 F 8 . D 58.0 58.0 58.0 58.4 58.7 25 001 24.5 4 a. 7 51.7 57.6 61.7 62.5 62.8 65.8 63.9 62.5 63.6 66.5 63.6 63.6 63.9 63.6 64.3 20001 24.5 18001 25.3 50.2 65.4 64.5 66.9 69.1 77.3 uŧ 53.9 60.2 62.5 64.7 65.4 66.5 68.8 66.9 66.5 υE 54.6 62.1 64.7 66.9 68.C 68.6 69.5 59.5 77.7 77.0 68 . 4 72.9 76.2 77.0 77.3 77.0 77.3 75.1 75 .8 75.8 96.6 Úξ 61.3 66 .. 80.8 88.8 89.2 93.3 91.3 υE 10001 27.9 62.6 69.0 80.7 87.4 90.3 91.4 91.8 92.2 93.3 93.3 93.7 93.7 94.1 96.7 96.7 97.0 63.9 GΕ 9001 28.3 9001 28.3 69.1 82.2 5.03 92.2 93.3 93.7 94.1 95.2 96.7 95.2 96.7 95.2 96.7 95.5 97.0 95.5 97.0 95.9 97.4 ls E 64.3 70.3 93.3 90.7 93.7 94.8 95.2 95.5 £4.3 95.5 95.9 G E 77.3 93.3 99.7 95.9 97.6 97.0 97.0 97.4 97.4 97.8 96 . 3 6 E 1001 28.3 64.3 70.3 83.6 91.1 94.4 95.5 95.9 96.3 97.4 97.8 97.8 97.8 98.1 98.1 98.5 4001 2P+3 3001 48+3 64.3 54.3 70.3 A3.6 84.0 91.1 94.4 95.5 96.3 96.7 97.4 98.1 98.5 98.1 98.1 98.5 98.5 98.9 98.5 98.9 98.9 99.3 ωE 95.9 96.3 2101 28.7 84.5 95.9 99.6 GE 54.3 70.6 97.6 94.5 98.5 98.9 99.3 99.3 96.3 70.6 91.4 90.5 106.0 GE 84 . .. 94.8 96. 1 96.7 97.8 98.5 98.9 99.3 99.3 21 20.3 90.5 99.3 77.6 84.3 98.9 91.4 94.8 96.7 97.8 98.5 99.3 100.0 96.3

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIALLITY FROM HOURLY OBSERVATIONS

ST	ATTON N	UHAER:	225500	STATI	ON NAME:	ARKE	ANGELSK	USSR					OF REE	GPD: 78	-b?		
												HUNIF			((51):	WEL	
			• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	••••••						• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
	ILING In I	- 61	C٤	GE		GE	GΕ	0 E	GF.	IN STATI	30 30	r.E	GF	GE	GE	SŁ	GF.
	EET 1		ς, (	OF.	GE 4		2 1/2		1 1/2		1	7/4	5/8	1/2	°/16	1/4	5
• •		•••••			• • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •						• • • • • • •			************
NO	CEIL	11.3	20.9	22.3	23.8	24.4	24.6	25.0	25,2	25.4	25 • 7	2€.0	26.0	26.0	26.0	26.1	26.1
üΕ	200031	14.2	26.8	28.8	30.6	31.5	31.8	32.4	32.6	32.9	33.3	37.4	33.0	33.9	*3.8	33.8	73.9
	181 491		-6.6	28.8	30.6	31.5	31.6	32.4	32.6	32.9	73.3	37.8	37.8	33.8	33.8	33.F	23.9
٥Ē	160001	14.2	26.6	28.8	30.6	31.5	31.8	32.4	32.6	32.9	33.3	37.9	33.8	33.F	₹3.6	33.8	13.9
υE	140001	14.2	26.6	28.8	30.6	31.5	31.6	32 • 4	32.6	32.9	₹3.3	33.2	33.8	33.R	33.8	33.8	73.9
٥t	150001	14.2	26.8	28.8	30.€	31.5	31.8	32 • 4	32.6	32.9	*3 • 3	3 * • 8	*3.8	33.8	₹3.8	33.8	33.∀
bĚ	100001	20.3	42.2	46.1	52.2	54.6	56.2	56.9	57.6	58.0	58.6	50.2	59.2	59	59.3	59.4	t, g _ t,
G.E.		20.3	42.2	46.1	52.2	54.6	56.2	56.9	57.6	58.0	58.€	52.2	59.2	59.2	59.3	59.4	44.5
GΕ		20.4	42.3	46.4	52.2	54.7	56.2	57.0	57.6	58.5	F8.6	50.2	59.2	59.2	59.3	57.4	69.5
GΕ			42.3	46.2	52.2	54.7	5 t • 2	57.0	57.6	58.C	r8.6	52.2	59.3	59.2	59.3	59.4	59.5
ĿĘ	60001	23.4	42.3	46.2	52.2	54.7	56.2	57.0	57.6	58 • C	C8.6	59.2	59.2	59.2	59.3	59.4	19.5
GE		20.4	42.3	46.2	52.3	54.7	56.3	57.0	57.7	58.1	£8.7	59.2	59.2	59.3	59.4	59.5	°9.6
GE		50.4.	42.4	46.3	52.4	54.8	56.3	57.1	57.7	58.2	58 • 6	59.3	59.3	59.4	59.5	59.6	55.7
ωE		20. 6º	42.0	46.7	52.0	55.2	56.6	57.5	58.2	58.6	59 • 2	5 🕶 🕫	59.8	59.8	59.9	60.0	E L • 1
ĿΕ		20.8	43.2	47.2	53.5	55.7	57.2	58 • 13	58.6	59.1	59.7	67.7	60.2	60.3	60.4	6 C • 5	50.6
ĿΕ	30001	21.2	44.1	48.1	54 • 3	56.8	56.3	59.1	59.7	60.1	60.7	61.3	61.3	61.3	61.5	61.6	61.7
üΕ	25631	21.8	45.6	50.1	56 • 5	59.1	66.6	61.6	62.3	62.8	63.4	64.7	64.3	64.1	64.2	64.3	64.4
G.E.	27001	22.4	48.5	53.3	60.3	63.3	65.1	66.0	66. B	67.3	68.0	6°.5	68.5	68.6	68.7	6 . A	66.9
6E	19001	23.0	56.0	54.7	62.5	65.9	67.7	68.6	69.5	70.€	70.6	71.2	71.2	71.2	71.4	71.5	71.6
€-E		43.8	53.5	58.7	67.6	71.6	73.5	74.6	75.6	76.1	76,8	77.4	77.4	77.4	77.5	77.6	77.7
υE	17071	25 • 1	55.1	65.2	76 • 6	8 Z • C	84.7	85.9	87.3	88.1	49.1	87.7	89.7	89.8	49.9	36	cc.1
υŁ	11001	25.7	6 C . P	67.5	79.9	85.9	99.0	90.5	92.6	92.9	94.1	94.8	94.8	94.9	95.0	95.1	95.2
GE	9016	25.4	61.5	67.9	80.5	86.6	85.6	91.4	92.9	93.9	25 . 1	95.6	45.8	95.9	96.1	44.2	96.3
υE	9.501	25.4	61.6	6 A . 3	Al.u	87.6	90.7	92.3	93.8	94.8	96.1	96.8	96.8	97.0	97.1	97.2	97.3
GE	7 26 1		61.9	68.5	81.6	88.1	91.5	93.1	94.7	95.7	97.1	97.8	97.5	97.9	98.1	98.2	98.3
G E	ارعء	. · · 4	61.9	69.6	81.7	88.3	91.7	93.4	95.1	96.1	97.4	99.1	98.1	98.3	98.5	4ª • 6	08.6
υ£		25.4	61.9	68.5	81.7	P8.3	91.7	93.4	95.1	96.1	97.5	98.2	98.2	98.4	98.6	99.6	98.7
ьE		25.4	61.9	68.9	81.7	68.4	91.8	93.5	95.2	96 • 2	97.6	90.4	98.4	98.6	98.7	98.8	98.9
6€		6.4	61.9	68.9	81.0	89.5	91.9	93.6	95.3	96.3	97.7	98.5	98.5	98.6	98.8	9.89	99.0
G.F.		25.4	61.9	68.9	81.8	88.5	91.9	97.46	95.3	90.3	97.7	90.5	98.5	98.8	99.1	99.2	99.3
ьŧ	1001	25.4	61.9	68.9	81.8	88.5	91.9	93.6	95.3	96.3	97.7	98.5	98.5	98.6	99.1	99.4	100.0
6 E	^ I	25.4	61.5	68.9	81.8	88.5	91.9	93.6	95.3	96.3	97.7	90.5	98.5	98.8	99.1	99.4	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: MAR HOURS (LST): 0000-0200 VISIBILITY IN STATUTE MILES
OF GE GE CE IL ING GE GE GE 4 3 2 1/2 THE FEET | GE 6E GE 6 5 GE GE GE 2 1 1/2 1 1/4 GE GE 1 374 5/8 1/2 5/16 1/4 n . . . . . 33.7 68 260001 21.5 16.3 38.3 36.3 39.0 39.0 39.0 39 • C 39.0 39.3 39.3 39.3 39.7 39.0 39.0 GE 18000| 21.0 36.3 39.0 38.3 39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.3 39.3 39.3 39.3 39.3 39.7 GE 14 CUI 21.0 GE 14 CUI 21.0 GE 12 JUI 21.0 36.3 36.3 36.3 30.0 38.0 3a . 3 39.0 39.r 39.0 19.3 39.3 39.3 39.7 38 · 3 38 · 3 39.0 39 · C 39.0 39.0 39.0 39.0 39 an 39.0 39.3 39.3 6E 100001 25.0 44.3 49.0 50 • ù 51.7 52.0 52.0 52.0 52.C 52.0 52.0 52.3 52.0 52.3 52.3 52.3 52.7 9000| 15.0 8000| 25.0 7000| 25.0 6000| 25.0 44.3 48.0 50.0 51.7 52 ⋅ € -2.7 υĐ 52.0 52.C 52 . C 52.0 52.0 52·3 52·3 52.3 52.3 44.3 48.0 52.0 52.0 50 • ü 51.7 52.0 52.0 52.C 52.0 £2.0 52.0 52.3 52.3 50.U 51.7 51.7 52.0 52.0 52.0 52.0 52.0 52.0 υE 52.0 52.0 52 • 0 52.3 52.3 52.3 52.7 44.3 48.0 50.0 44.7 50001 25.3 48.3 50.3 52.0 52.3 52.3 52.3 52.3 52.3 52.3 52.7 53.0 45001 25.7 45.7 49.0 \$3.0 \$3.3 53.0 53.3 53.8 53.3 57.3 53.3 53.7 53.3 53.7 54.0 ωŁ 51.0 52.7 53.0 53 · C 53.0 53.3 53.7 53.3 53.3 53.0 51.5 53.3 66 35 Cul 26.0 30 Cul 26.3 54.3 55.7 44 55.7 56.0 56.0 56.0 56.3 uf 25601 27.3 51.6 55.7 60.0 6 C • 3 60.3 60.3 60.7 60.7 58 . J 6C . 3 60.3 63.3 60.3 €1.0 6C.7 21 UD1 28.7 18 CB1 29.3 67.3 υF 56.3 57.7 61.0 64.3 67.5 67.3 76.3 67.7 67.7 67.0 67.3 67.3 67.3 67.3 67.3 66.0 70.3 71.0 -→F 69.7 70.3 70.3 70.3 70.3 70.7 15.7 76.0 76.3 75.7 10001 31.3 21.3 85.7 87.3 87.7 97.7 A8.7 88.7 89.0 1000 31.3 9001 31.3 8001 31.7 91.7 C.F 67.1 75.7 83.7 88.7 90.3 90.3 90.7 90.7 90.7 90.7 99.7 91.3 91.7 92.0 67.0 76.5 76.3 91.0 52.7 91.0 92.0 ωſ 91.0 91.7 92.0 84.U 84.3 89.0 93.0 90.7 90.7 91.0 91.C 92.3 υŧ 67.7 92.0 92.0 92.7 92.1 92.7 92.7 93.3 93.7 93.7 94.0 706 | 31.7 85.3 91.0 93.0 94.7 94.3 94.3 L.F 76.7 93.C 94.0 95.0 95.3 95.3 95.7 85 . 7 Ü€ 600 31.7 €7.7 1 .01 31.7 96.3 1.5 67.7 77.0 91.3 93.3 93.3 94.3 94.7 24.7 94.7 94.7 95.3 96.0 96.0 9.0 4001 31.7 91.3 93.3 GΕ 67.7 77.0 85.7 93.3 94.3 94.7 95.0 95.0 95.7 96.3 96.3 96.7 109| 31.7 85 . 7 93.3 94. 1 94.7 95 . D 95.0 95.0 95.7 96.3 96.3 96.7 95.0 246 i 31.7 67.7 77.5 A5 . 7 91.3 93.3 93.3 94.7 95.0 97.0 97.C 97.3 97.0 1001 31.7 97.0 77.0 85 . 7 94.3 95 · C 96.0 98.0 01 31.7 6E 85.7 91.3 93.3 93.3 94.3 94.7 95.0 95.0 96.0 97.0 97.0 100.0 95.C

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# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VICILITY FROM HOURLY GUSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: MAR FOLRS (LST): 0300-0500 CE IL ING VISIBILITY IN STATUTE MILES GE GE 3 2 1,2 IN | GE FEET | 10 CF GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 GF G E G.F 5/16 £ 1/2 5/9 1/4 (J NO CETE | 15.0 29.2 29.9 30.9 30.9 31.5 31.5 31.5 31.5 31.5 31.5 31.5 39.3 41.6 35.2 37.6 39.3 39.9 39.9 39.9 39.9 30.0 39.9 41.3 41.3 GE 200001 17.8 40.3 GE 18000| 17.8 UE 16000| 17.8 35.2 75.2 37.6 37.6 39 · 3 39 · 3 39.3 39.3 39.9 39.9 39.9 39.9 39.9 39.9 39.9 39.9 39.9 39.9 30.9 30.9 39.9 39.9 41.3 41.3 41.6 40.3 39.9 39.9 GE 14000| 17.8 GE 12000| 17.8 35.2 39 • 3 39.3 39.9 39.9 39.9 30.9 39.9 35.2 37.6 39 . 3 39.3 39.9 40.3 41.3 41.3 41.6 GE 100001 20.8 4 3 . 0 50.3 57.0 52.0 52.3 52.3 5.7.4 5 3 . 7 45.3 51 a Ω 51.7 51.7 51.7 52.C 52.0 53.4 90001 20.8 80001 20.8 70001 20.8 52.0 52.0 53.4 53.4 43.C 45.3 50.3 51.0 51.7 51.7 51.7 51.7 52.0 53.7 51.7 52 . C 43.0 43.0 45.3 50.3 50.3 51.C 51.0 51.7 51.7 52.€ 52.0 52.0 52.0 52.0 52.3 53.4 53.4 55.7 45.3 51.7 51.7 52.0 52 . C 52.0 52.3 52.3 53.4 53.4 53.7 43.0 52 · C GE 67001 20.9 50.3 51.0 51.7 51.7 52.0 52.0 52.0 57.0 57.7 50.3 51.4 ١٤ 50001 20.8 45001 21.1 45.3 51.0 51.7 52.C 52.0 52.0 52.3 53.4 53.7 GE GE 43.3 52.3 53.7 52.7 54.0 52 • 7 54 • D 53.0 54.0 45.6 51 . ú 51.7 52.3 52.3 52.7 54.0 54.4 47.0 40CC| 21.8 44.6 52.3 53.7 53.7 54.5 55.4 55.7 53.0 54.0 54.4 55.4 35 001 22.1 30001 22.5 GF 45.6 48.5 53.4 54.0 54.7 54.7 54.7 55.0 55.0 55.0 55.0 55.4 48.7 55.7 46.3 54 . 4 55.7 56.4 55.0 56.6 56.0 45.7 52.3 GE 25 001 23.8 58 • 1 59.1 59.7 59.7 59.7 60.1 60.1 60.1 60.1 60.4 61.4 61.4 61.7 2000| 25.5 1900| 25.5 1900| 26.2 67.4 70.5 77.2 54.4 56.0 58.4 65 · 1 67.1 67.1 67.1 67.4 67.4 67.4 67.8 68.8 69.1 GE GE 68.8 69.1 72.1 60.1 70.1 70.8 70.1 70.1 71.8 76 . 8 76.8 12031 27.5 69.8 GE 81.5 83.9 84.6 84.9 85.2 85.2 85.2 86.9 86.9 87.2 10001 27.9 67.1 87.9 GE GE 82.6 85.6 88.9 89.6 A9.5 89.9 89.9 91.6 91.6 91.9 72.8 89.9 90.3 903| 27.9 RCG| 27.9 705} 27.9 91.6 97.3 94.3 67.4 83.9 91.6 91.6 93.3 73.5 86.9 89.3 91.3 91.6 93.3 91.9 93.3 93.6 90.6 67.6 74.2 74.8 84 • 6 55 • 2 90.6 92.6 93.C 95.0 95.3 GE 88.3 91.9 93.C 93.6 95.0 96.0 GΕ 94.3 88.9 92.6 94.C 94.6 89.3 95.0 GE 6001 27.9 68.5 75.2 85.6 94.6 95.0 95.3 96.6 FCG1 27.9 68.5 75.2 85 . 6 89.3 91.6 93.3 94.3 94.6 95.0 95.0 95.3 96.6 96.6 97.0 ٥E 400| 27.9 300| 27.9 75.2 75.2 91.6 93.3 94.3 94.6 94.6 95.0 94.6 95.0 95.3 95.3 95.0 95.3 95.3 95.6 96.6 96.6 97.0 68.5 85.6 89.3 97.0 68.5 85 . 6 89.6 GE 2001 27.9 68.5 75 .. 85 at 89.6 91.9 94.6 95.0 25.0 95.3 95.3 96.0 97.3 97.3 97.7 95.0 89.6 θE 01 27.9 85.6 91.9 93.6 95.0 95.0 95.3 95.3 96.0 97.7 98.0 100.0 74.6

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VENSUS VISIBILITY FROM HOURLY OBSERVATIONS

PER100 OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800 STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR VISIRILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 GE 1 IN | 6E FEET | 10 6 E 5 GE GE GE 2 1 1/2 1 1/4 6E 4 1/2 5/8 5/16 6 1/4 0 ............ NO CETE ! ".~ 20.1 23.7 23.7 32.1 GE 202001 11.4 30.4 31.4 31.4 31.8 32.1 32.1 32.1 32.1 32.1 32.1 32.1 24.4 27.8 32.1 GE 187GG| 11.4 GE 167CG| 11.4 GE 140CC| 11.4 32.1 74.4 \_4.4 30.4 31.4 31.4 31.8 32.1 32.1 32.1 32.1 32.1 32.1 32.1 32.1 27.6 30.4 30.4 31.4 32.1 32.1 31.4 31.8 32.1 32.1 32.1 32.1 32.1 32.1 GE 120001 11.4 24.4 30.4 31.4 31.4 32.1 32.1 32.1 32.1 32.1 32.1 6E 100001 15.1 GE 90001 15.1 GE 80001 15.1 GE 70001 15.1 49.2 48.8 49.2 49.2 49.2 49.2 36.8 41.1 45.6 48.5 48.5 49.2 49.2 49.2 44.2 49.2 49.2 49.2 49.2 4 1 · 1 4 I · 1 45.8 45.8 48.5 48.5 48.5 48.5 48 .8 49.2 49.2 49.2 49.2 49.2 36.8 36.8 48.8 49.2 49.2 49.2 40.2 49.2 49.2 49.2 49.2 49.2 36.8 41.1 45.8 48.5 48.5 49.2 49.2 49.2 49.2 49.2 49.2 49.2 60001 15.1 49.2 49.2 50001 15.1 37.1 41.8 41.8 42.5 49.2 49.5 49.5 49.5 40.5 49.5 49.5 49.5 49.5 49.5 48.8 49.8 46.2 45 CO! 15.4 46.5 47.5 49.2 49.2 50.2 49.5 50.5 49.8 50.8 49.8 50.8 6F 49.8 49.8 49.8 49.8 49.8 49.8 49.8 38.1 57.8 50.8 GE 50.8 52.2 50.8 50.8 5 g • B 56.8 3500| 15.7 3000| 16.1 51.5 53.2 52.2 53.8 52.2 53.8 52.2 53.8 15.1 43.8 48.8 51.5 51.8 52.2 52.2 52.2 45.5 LE 4 ( . 5 50.5 53.2 53.8 53.8 53.8 ĠΕ 25 001 16.7 41.4 47.8 56 • 2 56.5 56.5 56.5 \$6.5 56.5 56.5 56.5 56.5 56.5 52.8 55.9 55.9 2000| 17.7 1800| 19.1 45.5 52.2 62.2 62.5 63.5 67.5 63.5 63.5 63.5 61.9 63.2 63.2 63.5 63.5 68.2 76.6 ſ,F 62.5 66.2 68.2 68.2 68.2 68.2 15001 66.9 73.6 76.6 76.6 12001 19.4 5 1.8 63.5 75.3 80.6 82.3 83.3 84. 9 85.6 86.0 86.3 86.3 86.3 A6.3 86.3 86.3 91.3 65.9 77.9 91.3 91.3 GE 15 63 | 20.7 55.5 63.6 85.6 87.6 89.3 90.6 91.0 91.1 91.3 91.3 56.2 92.6 93.3 94.3 GE 9031 21.1 66.6 78 . 0 84.6 84.6 86.6 88.6 89.0 90.3 90.6 91.6 92.0 92.3 93.0 97.6 92.6 92.6 92.6 93.3 92.6 860| 21.1 700| 21.1 f.F 56.2 66.6 78.6 86.6 93.3 93.3 94.0 GE 56.5 67.2 79.3 85.3 87.3 89.6 91.3 92.6 94.3 94.3 94.3 94.3 94.3 67.2 90.3 96.0 79.6 85.6 96.7 96.7 97.0 97.0 97.0 98.0 96.3 86.0 56.5 56.5 67.2 79.9 79.9 86.0 86.0 88.C 0.88 90.6 90.6 93.3 94.6 96.3 96.3 96.7 96.7 96.7 96.7 96.7 97.0 97.0 97.0 4001 21.1 97.0 3031 21.1 97.D 2 gel 21.1 1061 21.1 56.5 79.9 88.0 90.6 93.3 94.6 96.3 96.7 96.7 97.0 97.7 97.7 97.0 96.7 98.0 56.5 67.2 79.5 86.0 88.0 90.6 93.3 96.5 98.3 1.1.1 GΕ 56.5 67.2 79.9 86.0 88.0 93.3 94.6 95.7 96.7 97.0 98.0 98.3 100.0 90.6 96.3 ....

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY CBSERVATIONS

STATION NUMBER: 225502 STATION NAME: ARKHANGELSK USSR PER10D OF RECORD: 78-87 MONTH: MAR HOURS (LST): 0900-1100 CEILING VISIBILITY IN STATUTE MILES TE .. GE 1 SE IN | GE FEET | 1 GE 6 G E 5 GE GE GE GE GE 2 1 1/2 1 1/4 GE GF GE G€ G 3 2 1/2 10 3/4 5/8 1/2 5/16 1/4 NO CEIL | 9.9 21.2 22.1 24.9 26.0 26.4 26 •4 26.4 26.7 26.7 26.7 26.7 26.7 27.1 27.1 27.1 GE 200001 12.8 31.5 34.1 37.0 38.5 39.2 39.2 39.2 39.5 39.9 40.3 40.7 41.0 41.4 41.4 41.4 18000| 12.8 16000| 12.8 14000| 12.8 39.2 39.2 37.0 39.2 39 • 2 39 • 2 39.6 39.6 40.3 40.3 40.7 41.0 41.4 41.4 6E 31.5 34 . 1 38.5 39.9 41.4 71.5 34.1 37 . 0 38.5 39.2 39.7 41.4 GΕ 31.5 34.1 37 . 0 38.5 39.2 39.2 39.2 39.6 39.9 47.3 43.7 41.0 41.4 41.4 39.2 41.4 GΕ 39.6 40.7 41.7 41.4 GE 100001 16.5 44.7 49.8 53.6 57.5 59.7 60.1 60.4 63.7 63.7 63.7 61.5 62.3 67.6 63.0 63.4 44.7 49.8 53.8 53.8 59.7 59.7 9000| 16.5 8000| 16.5 57.5 60.4 61.5 62.3 62.3 62.6 63.0 63.0 63.4 63.7 63.7 60.1 63.7 57.5 GΕ 60.1 70001 16.5 44.7 49.8 59.7 60.1 60.4 62.3 63.D r.F 60001 16.5 44.7 49.8 53 ad 57.5 59.7 60.4 61.5 62.3 62.6 63.0 63.4 63.7 63.7 63.7 62.6 62.6 63.4 50001 16.5 59.7 GE 44.7 49.8 53.8 57.5 60.1 60.4 61.5 62.3 63.C 63.4 63.7 63.7 63.7 44.7 45 001 16.5 49.8 52.5 53.8 60.1 63•7 64•5 65•2 GE 57.5 59.7 6n. 4 62.3 63.C 63.4 63.7 63.7 61.5 GF 42001 16.5 54.6 55.3 59.2 59.0 60.4 69.8 61.2 62.3 63.0 63.7 64.1 64.5 64.5 35001 16.8 46.2 51.3 GE 61.2 61.9 64.1 64 . A 61.5 63.0 63.7 64.5 ٥E 30001 16.9 59.7 64.8 25 cal 17.6 20 aci 19.0 51.8 68.5 73.6 68.5 73.6 75.8 GE 58.6 62.3 64.5 67.0 52.0 62 · 6 66.7 69.6 71.8 70.3 72.2 74.4 72.5 74.7 72.9 75.1 73.6 GΕ 70.0 71.4 73.3 GE 18301 19.4 53.5 59.3 72.5 73.6 15001 20.1 55.3 77.3 GE 62.3 68.5 73.3 76.6 77.7 78.8 79.5 79.9 80.2 80.6 81.0 81.0 81.0 81.7 91.2 υE 86.1 86 .5 90.5 90.8 91.2 91.2 58.6 68.5 68.5 68.9 GE 84.2 90.1 91.2 92.7 93.4 91.8 94.1 94.5 94.9 94.9 94.9 88.6 88.6 89.7 97.8 9001 21.6 8001 21.6 58.6 59.0 84.2 90 · 1 91 · 2 93.4 93.8 94.1 94.5 94.9 96.0 GE 77.7 91.2 92.7 94.9 94.9 96.0 GE 92.3 93.8 96.0 78 . 8 93.8 6E 7001 21.6 55.3 69.6 79.5 86.4 96.7 97. 97.4 97.4 91.2 96.7 GΕ 6001 21.6 59.3 69.6 79.5 66.4 92.7 94.1 76.3 97.8 97.R 97.8 5001 21.6 55.3 GE 69.6 79.5 86.4 91.2 93.0 94.5 96.0 96.7 97.1 97.4 97.8 98.2 98.2 96.2 4cpl 21.6 30Cl 21.6 2Cpl 21.6 91.2 97.8 97.8 59.3 69.6 79.5 79.5 93.0 93.0 97.4 98.5 98.5 98.5 98.5 86.4 94.5 96.7 98.2 96.C GE 86.4 96.7 98.2 55.3 69.6 79.5 97.4 97.8 91.2 93.0 94.5 96.7 98 • 5 98 • 5 98.9 98.9 86.4 96.0 98.9 GE 1001 21.6 59.3 69.6 79.5 93.0 97.4 99.6 100.0 6E 21.6 55.3 69.6 79.5 86.4 91.2 93.0 96.0 96.7 97.4 97.8 98.5 94.9 99.6 100.0 

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255UC STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 78-87 MONTH: MAR HOURS (LST): 1200-1460 VISIBILITY IN STATUTE MILES CE IL ING GE GF GE GE GE 2 1 1/2 1 1/4 IN | GE FELT | 1 GE GE 1 3/4 GE GE Gf. GE ĢΕ 3 2 1/2 5 1/2 5/16 1/4 J 26.9 26.9 NO CETT 1 13.8 25.9 26.3 26.3 26.6 26.6 26.6 26.6 26.9 21.2 21.9 24.6 24.9 25.3 GE 200001 16.5 29.3 32.0 35 - 0 35.7 36.0 37.4 37.7 \*# . D 3 P . 4 39.4 38.4 38.7 3R.7 36.7 38.4 38.4 38.4 GE 180001 16.5 GE 160001 16.5 GE 140001 16.5 30.4 32.6 35.7 35.7 29.3 35 • j 36.0 38.4 38.4 36.7 39.7 36.7 37.7 37.7 38.7 38.7 36.7 38.7 25.3 32.0 35.0 36.0 37.4 38 . 0 38.7 29.3 37.7 37.4 38 . 5 38.4 32.0 35 . 0 35.7 36.0 GE 127001 16.5 37.7 37.7 18.0 33.4 38.4 38.7 38.7 65.3 65.3 65.0 GE 100001 20.9 45.5 58.6 6 C . 3 62.6 64.6 65.7 66.0 65.7 65.7 65.7 60.3 64.6 65.7 66.0 ĿΕ 97001 20.9 45.5 50.2 56 . 0 58.6 62.6 66.0 66.0 80001 20.9 50.2 64.6 65.7 56 . 6 58.6 66.0 66.0 64.3 ſ.F 70001 20.9 45.5 50.2 56,6 58.6 62.6 64.6 65.E 65.3 65.7 65.7 66.3 66.0 66.0 60001 20.9 65.7 45.5 50.2 58.6 60.3 62.6 65.3 65 . 7 65.7 66.0 GE 56 . 6 64.6 65.0 66.0 66.0 GE 50001 20.9 45.5 50.2 58.6 64.6 65.C 65.3 65.7 65.3 62.6 66.0 66.0 66.0 56.6 65.7 65.7 45 col 20.9 40 col 20.9 64.6 65.0 65.5 65.3 65.7 66.0 45.5 50.2 56 • 6 56 • 9 60.3 62.6 63.0 65.7 65.7 66.3 58.6 66.û 66.3 66.C GE 66.0 66.3 50.5 58.9 60.6 66.0 35 001 20.9 60.9 GE 50.0 30001 20.9 52.2 58.6 60.6 62.3 66.7 67.3 67.7 67.7 64.0 69.0 68.0 12.1 25001 22.6 71.0 71.7 72.1 72.4 79.5 84.5 GΕ 63.0 65.0 71.4 72.1 79.1 72.4 79.5 51.5 56.6 66.7 69.0 72.4 25001 25.6 79.1 84.2 51.6 18.5 79.1 79.5 62.0 78.6 69.4 71.7 73.7 76 . 1 78.1 18001 26.9 84.5 GE 65.9 76.6 78.8 81.1 83.2 83.5 93.8 84.2 84.2 84.5 90.2 64.3 71.4 79.1 80.9 89.9 89.9 90.2 90.2 GE 82.2 84.5 86.9 89.9 89.2 99.6 9. 3 12001 27.3 95.3 96.0 GE 1001 \_7.6 9001 27.6 92.9 95.3 97.0 97.3 97.3 97.3 41.3 97.3 74.7 74.7 84.2 84.2 98.6 88.6 91.2 93.9 97.3 L.E 66.7 96.3 98.0 99.7 98.3 98.1 98.3 98.3 Page 27.6 66.7 96.3 97.0 97.3 3.46 98.0 98.3 97.6 97.3 98.3 98.3 7001 27.6 67.0 75.1 84.5 88.9 91.6 94.3 76.6 98.3 94.7 98.7 96.7 6001 27.6 97.3 61.0 75.4 84.8 89.6 92.3 96.3 99.3 6£ 5001 27.6 67,0 75.4 92.3 94.9 97.3 98.0 C8.3 99.0 99.0 99.3 99.3 99.3 84 . H 89.6 99.5 4001 27.6 3001 27.6 67.0 75.4 75.4 89.6 89.6 92.3 94.9 97.6 98.3 79.7 99.7 99.7 98.7 90. 1 99.3 99.3 90.3 99.3 ĿΕ 84.8 98 . 7 99.3 7001 27.6 100.0 100.0 100.0 GF 1501 27.6 97.6 98. 3 "A - 7 99.1 100.0 160.0 100.0 01 27.6 GE 67.1 75.4 84.6 89.6 92.3 94.9 97.6 94. 1 98.7 99.3 99.3 99.7 100.0 100.0 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM FOURLY CUSERVATIONS

STATION NUMBER: 225503 STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: 78-87 MONTH: MAR HOURS (LST): 1500-1700 CEILING VISIBILITY IN STATUTE MILES IN | GE FEET | 10 GE 1 CE GE 6 5 5/8 4 3/4 1/2 5/16 1/4 - 2 NO CEIL ( 16.0 27.3 27.9 27.9 27.9 24.2 25.3 27.9 26.9 27.9 GE 201001 20.2 3 2 . 7 35.4 37.7 39.4 30.4 39.4 39.4 19.4 39.4 39.4 3R . 7 38.7 38.7 38.7 38.7 GE 180001 20.2 GE 160001 20.2 33.7 30.4 30.4 39.4 35.4 38.7 38.7 38.7 38.7 38.7 38.7 39.7 38.7 39.4 79.4 39.4 39.4 39.4 29.4 39.4 39.4 37.7 38.7 38.7 39.4 GE 140001 20.2 33.7 35.4 38.7 36.7 38.7 39.4 30.4 39.4 19.4 37.7 38.7 38.7 30.4 39.4 79.4 39.4 6E 100001 25.3 GE 90001 25.3 GE 80001 25.3 GE 70001 25.3 50.6 58.2 58.2 59.3 59.3 60.9 60.9 47.6 55.6 59.3 59.9 59.9 60.9 60.9 60.9 60.9 60.9 63.9 50.6 50.6 59.9 59.9 47.8 59.3 59.3 59.9 60.9 60.9 55.6 60.9 60.9 60.9 60.9 47.8 55.6 58.2 59.3 59.9 60.9 60.9 60.9 60.9 60.9 6C.9 60.9 47.8 50.8 50.8 55 . 6 58.2 54.3 59.3 59.9 59.9 60.9 63.9 60.9 60.9 £0.9 60001 25.3 60.9 60.9 55 . 6 50001 25.3 45001 25.3 40001 25.6 47.8 57.5 55.6 59.2 59,3 59.3 59.9 59.9 60.9 60.9 60.9 63.9 60.9 60.9 58.2 59.3 59.9 60.9 60.9 60.9 62.0 ijΕ 47.8 55.6 59.3 59.3 60.9 60.9 60.9 60.9 60.9 GE 51.5 56.2 60.3 62.0 62.0 48.5 66.3 60.9 62.0 62.0 62.0 67.3 35.00 i 46.8 56 + 6 57 • 6 59.6 60.6 61.3 61.3 62.3 62.3 62.3 62.3 3: Gal 25.9 LΕ 45.8 52.9 63.3 63.3 60.6 61.6 61.6 62.3 62.3 63.3 63.3 63.3 63.3 25 Cul 27.9 55.4 59.€ 63.6 66.7 67.7 67.7 68.4 68.4 69.4 60.4 69.4 69.4 69.4 69.4 69.4 GF 65.3 20001 29.3 18001 30.3 10.1 12.1 74.4 76.4 75.8 76.4 76.4 79.5 77.4 80.5 77.4 80.5 77.4 83.5 77.4 77.4 77.4 77.4 78.1 80.5 GΕ 64.0 77.8 90.5 80.5 80.5 86.9 86.9 79.5 23.5 R5.2 85.5 12001 31.6 77.1 91.2 92.9 93.9 91.9 93.9 93.9 95.6 97.3 98.0 GF 10001 31.6 7 1 4 1 74.4 91.9 92.9 94.6 97.5 45.V 90.2 94.6 95.6 96.0 96.0 96.0 96.4 9001 31.6 Bu01 31.6 97.3 7 2 . 4 74.3 98.0 98.5 6E 79.0 90.9 96.0 96.3 86.5 92.9 98.0 98.0 6E 7 3 . 4 78.8 91.2 93.3 94.9 96.6 97.0 98.3 98.0 98.7 98.7 98.7 98.7 86.9 99.3 ьE 7001 ?1.6 19.6 78.6 87.5 91.9 93.9 95.6 95.6 97.5 97.6 98.7 9 P . 7 98.7 99.3 99.3 99.5 97.3 99.3 6001 31.6 97.6 94.3 6F F001 31.6 7 1.4 79.1 97.9 92.3 97.6 98.0 99.3 99.0 99.0 99.7 99.7 99.7 99.7 40~1 31.6 7001 31.6 72.4 79.1 79.1 87.9 87.9 92.3 96.0 96.0 99.7 ĿΕ 94.3 97.6 98.[ 99.0 99.0 29.3 99.7 99.7 99.7 98.C 99.0 99.0 99.7 99.7 94.3 97.6 99.0 2001 31.6 1001 31.6 79.1 87.9 87.9 99.0 99.0 100.0 130.0 100.0 100.0 99.0 99.0 GE 96.3 49.0 100.0 170.0 100.0 100.0 97.6 01 31.6 72.4 79.1 92.3 98.0 99.0 99.0 99.0 100.0 100.0 100.0 94.3 96.3

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 76-87 MONTH: MAR HOURS (LST): 1900-2000 VISIBILITY IN STATUTE MILES CE IL ING GE GE GE 2 1 1/2 1 1/4 IN | GE FEET | 1 GE E GE. GE GE 3 2 1/2 SE GE GE GE GE GF GF GΕ 10 3/4 5/8 1/2 5/16 1/4 C 5 NO CETE | 13.5 24.0 25.3 25.3 25.3 25.3 25.3 25.3 25.7 25.7 25.7 25.7 GE 200101 19.2 GE 160001 19.2 GE 160001 19.2 34.5 36.1 37 . 6 37.8 38.2 38.2 38.2 38.5 38 • 5 38.5 38.5 38.5 38.5 38.5 38.5 38 . 5 14.5 34.5 56 • 1 36 • 1 38.5 38.5 38.5 38.5 38.5 38.5 38.5 38.5 38.5 38.5 38.5 37.8 37.8 38 -2 38.2 38.2 38.5 37.6 37.8 38.2 38 . 2 38.2 38.5 38.5 19.2 38.2 38.2 38.5 38.5 34.5 36.1 37.8 37.8 38.5 38.5 38.5 38.5 38.5 34.5 38.5 38.2 38.5 38.5 38.5 38.5 38.5 6E 1.0001 23.6 50.0 53.0 55 . 1 56.1 56.8 56.8 57.4 57.8 58.1 5º.1 58.1 58.1 58.1 58.1 58.1 90001 23.6 80001 23.6 53.0 56.3 55 • 1 55 • 1 56.1 56.6 56.8 57.4 57.8 58 • 1 58.1 58.1 58.1 58.1 58.1 58.1 57.4 57.4 50.1 59.1 υŁ 50.0 56.1 56.8 56 • 8 57.8 58.1 58.1 58.1 58.1 58.1 59.1 59.1 58.1 5 ( • U 56.8 56.8 58.1 58.1 58.1 58.1 60001 23.6 58.1 50001 23.6 CE 56.3 53.4 55.4 56.4 57.1 57.1 57.8 58.1 58.4 58.4 58.4 58.4 58.4 58.4 58.4 45 CC | 23.6 41 CO | 24.0 55.4 56.4 66 56.3 53.4 56.4 57.4 57.1 58.1 57 • 1 58 • 1 57.8 58.1 58.4 5 R . 4 58.4 58.4 59.5 58.4 58.4 58.4 59.5 54.4 51.4 59.1 59.5 59.5 59.5 59.5 59.5 52.7 57.8 35 001 24.3 60.8 61.8 60.8 ωE 58.8 59.5 59.5 60.1 60.5 60.8 60.8 60.8 60.6 10001 60.5 61.8 60.5 61.8 61.6 61.8 25 351 24.7 65.2 G F 56.8 65.9 65.9 65.9 65.9 65.9 21001 26.0 18051 27.4 61.8 61.2 68.9 73.6 69.9 74.7 72.C 77.C 72.3 77.7 72.3 77.7 72.3 77.7 72.3 77.7 (.E 67.9 69.9 71.3 72.3 72.3 72.3 67.6 71.0 74.7 77.7 76.4 77.7 77.7 15001 28.0 1001 28.4 83.1 6€ 66.4 72.3 77.7 80.1 81.1 81.4 84.8 84.8 €. 19.0 95.9 95.9 71.3 85 . 5 89.2 91.2 91.9 93.6 94.9 95.9 95.9 95.9 95.9 79.7 üΕ 10001 44.4 72.6 98 . 3 98.3 98.3 98.3 86.5 90.5 98.3 98.3 98.3 93.6 95.3 97.C 92.9 9001 L9.4 8001 28.4 93.9 72. .. 19.7 90.5 93.2 95.6 97.3 98.6 86.5 78.€ 98.6 98.6 98.6 98.6 98.6 78.7 99.0 t, i 720. 86.5 90.5 93.2 97.6 99. 99.3 99.0 99.0 99.0 99.0 700] 23.4 640] 28.4 95.9 99.7 96 . 5 99.7 99.7 A6 . 5 99.5 98.1 99.7 99.7 99.7 93.2 93.9 93.9 93.9 GΕ 1201 28.4 12.0 79.7 86.5 99.5 95.9 95.9 98.3 99.7 99.7 99.7 99.7 99.7 99.7 99.7 9601 28.4 3601 28.4 3661 28.4 78.7 86.5 93.2 99.7 99.7 1,8 98. 1 99.7 99.7 99.7 99.7 97.7 t.F 12.6 78.7 86.5 90.5 93.2 95.9 98.3 99.7 99.7 99.7 99.7 99.7 99.7 99.7 72.0 79.7 86 . 5 90.5 93.2 93.9 95.9 98. 1 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1001 20.4 96.5 90.5 100.0 93.2 ml 28.4 72.0 78.7 93.9 100.0 98.3

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87 MONTH: MAR HOURS(LST): 2160-2300 CE IL ING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 IN | GE FEET | 10 Œ GE 5 GE 4 GE GE GF G<sub>E</sub> GE 5/16 GE U 3/4 1/4 6 5/8 NO CEIL | 15.9 30.2 33.2 33.6 33.6 33.6 34 .2. 34.2 34.2 34 . 6 34.6 34.6 34.9 35.2 35.2 35.5 GE 200001 18.3 34.6 37.9 38.5 38.5 35.5 39.2 39.2 39.2 39.5 39.5 39.5 39.9 40.2 40.5 39.2 39.2 39.9 39.9 GE 180001 18.3 GE 160001 18.3 39.2 39.5 39.5 39.5 39.5 39.5 39.5 40.2 34.6 37.9 38.5 38.5 38.5 39.2 40.2 40.5 38 • 5 38.5 38.5 39.2 37.9 40.2 40.2 46.5 34.6 38.5 GE 140001 18.3 34.6 37.9 38.5 38.5 39.2 39.2 39.2 39.5 39.5 39.5 39.9 40.2 40.2 40.5 39.2 6E 120001 18.3 34.6 37.0 38 • 5 38.5 39.2 39.5 39.5 43.2 40.2 40.5 GE 100001 24.6 47.8 53.5 55.5 55.5 55.5 55.8 56.8 51.5 54.2 54.5 55.8 56.5 56.5 55 . 8 56.1 55.8 55.8 55.8 55.8 55.8 90001 24.6 54.2 54.5 55.5 55.5 55.5 55.8 55.8 56.1 56.5 56.5 56.5 47.6 51.5 53.5 56.8 GE GΕ 89631 24.6 70001 24.6 47.8 51.5 51.5 53.5 53.5 54.2 54.2 54.5 55.5 55.5 55.5 56.1 56.5 56.8 60001 24.6 47.6 51.5 53.5 54.2 54.5 55 . 8 55.8 55.8 56.1 56.5 56.5 56.B 53.5 55.5 55.5 55.8 56 • 1 56 • 5 56.5 56.8 GŁ 50001 24.6 47.8 51.5 54.2 54.5 55.5 55.8 55.8 56.5 56.8 45 031 24.6 47 031 25.2 35 031 25.6 GE 54.8 55.8 55.8 56.1 56.1 56.8 47.8 53.6 54.5 55.8 56.1 51.8 57.1 58.8 49.2 53.5 55.0 56.5 57.1 56.8 57.8 57.8 57.8 58.1 58.1 58.1 58.5 58.8 59.1 GE 49.5 54.2 56 . 5 57.5 58.5 58.5 60.8 58.5 58 . 8 50.8 58.8 59.1 59.5 59.8 30001 26.6 66.1 66.4 67.1 67.4 2001 29.9 18001 30.2 (.F 59.8 62.8 66.8 70.1 69 • 4 73 • 6 70.1 74.4 76.4 71.4 71.4 75.7 71.4 71.8 71.8 71.8 72.1 76.4 72.4 72.4 76.7 72.8 75.7 76.1 76.1 76.1 76.7 74.8 75 . 7 82.1 82.4 89.0 83.7 91.7 15 001 31.2 67.1 79.7 80.7 83.4 83.7 84.1 91.0 91.7 86.7 94.7 úξ 10001 31.2 86 . 0 99.0 90.4 91.7 92.€ 93.0 93.7 93.7 94,7 95.0 71.1 79.4 9671 31.2 8661 31.2 87.j 87.7 96.3 96.3 96.7 97.7 GE 71.1 8 .4 90.0 91.4 92.7 93.4 94.4 95.3 95.3 95.3 95.7 95.0 71.4 80.7 97.7 93.4 94.C 95.3 96.3 96.3 96.7 GF 96.3 97.3 97.7 96.3 97.7 6001 31.2 81.1 88 . 0 97.7 98.0 98.5 98.5 5 001 31.2 97.7 97.7 95.3 97.3 υE 71.6 81.1 88.0 91.0 92.4 93.7 94.4 96.7 96.7 96.7 96.7 9001 31.2 91.8 91.5 94.4 95.3 96.7 96.7 97.0 G€ 71.8 92.4 92.4 81.1 88.C 93.7 700| 31.2 200| 71.2 11.8 81.1 88 - 0 93.7 94.4 95.3 96.7 95.7 96.7 97.0 97.7 97.7 98. D 91.0 95.3 96.7 96.7 98.7 98.7 99.0 71.8 81.1 88 . D 92.4 93.7 94.4 96.7 97.7 1001 31.2 99.0 71 31.2 71.6 81.1 91.0 95.3 96.7 96 - 7 96.7 97.7 98.7 99.0 100.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR VISIBILITY IN STATUTF MILES GE GE GE GE 2 1 1/2 1 1/4 1 CE II ING GE IN I GE FEET | In GF Œ GΕ GE GE GE 4 3 2 1/2 FELT | 19 6 5 4 3 2 1/2 1/4 5/8 1/2 5/16 1/4 Ω . NO CETL | 14.3 24.9 29.2 26.5 GE 250001 17-1 32.4 34.9 38 • C 30.4 38.4 38.8 38.8 39.0 36.8 37.4 38.1 38.3 39.6 37.6 37.9 34.9 37.4 37.6 37.6 37.9 37.9 39.0 38.0 38 · 3 38 · 3 30.4 30.4 30.4 30.4 39.0 39.0 180 CG | 17.1 32.4 32.4 38.1 36.1 36 . 8 38.4 38.6 38.8 GE 160001 17.1 36 . 8 38.4 39.6 38 . 8 38.8 38.6 6E 140001 17.1 6E 127001 17.1 36 . 8 37.6 38.4 39.0 38.8 57.6 GE 100001 21.5 45.0 48.7 52.6 54.4 55.3 55.8 56 - 3 56.5 56.9 57.0 57.0 57.2 57.4 57.4 90001 21.5 45.0 48.7 57.0 57.0 57.0 57.0 57.2 57.4 57.4 57.6 54.4 55.8 56.9 52.6 55.3 56.3 56.5 40001 21.5 70001 21.5 56.9 57.g 57.2 57.2 45.0 48.7 52.6 54.4 55.3 55.8 56.3 56.5 57.4 57.4 57.4 57.6 ЬE 45.0 48.7 52 . 6 54.4 55.3 55.8 56.3 56.5 57.4 57.6 57.6 60001 21.5 50001 21.6 45.1 49.8 52.7 54.6 55.4 55.9 56.4 56.7 57.1 57.3 57.6 57.6 57.7 ĿΕ 45001 21.6 45001 21.9 45.3 49.0 52.9 54.8 55.7 56.2 57.1 56.7 57.6 56.9 57.3 58.2 57.3 58.3 57.4 58.4 57.6 58.5 57.8 57.8 57.9 49.9 58.9 46.1 53.9 55.8 56.6 58.8 58.8 50.7 59.1 59.6 59.6 35 20 1 58.5 58.7 57.2 59.2 59.4 59.8 56.0 59.3 60.5 61.1 56.8 59.8 60.1 60.4 60.7 63.9 60.9 ί£ 25001 23.7 55.9 64.C 65.2 65.3 51.3 60.1 62.2 63.0 63.5 64.3 64.6 64.7 64.8 64.9 65.2 71.4 56.0 58.2 62.0 GE 2000| 25.3 1800| 26.5 61.2 66 . Ú 68.4 69.5 73.1 70.0 70.6 70.9 71.3 71.5 75.3 71.6 75.5 71.9 75.8 71.9 75.8 72.0 63.7 69.3 74.9 71.9 77.8 74.4 74.7 15001 26.8 81.2 81.0 80.9 1.08 90.0 űΕ 12 50 | 27.4 65.3 72.7 81.1 85.1 90.5 40.7 90.9 91.3 91.3 91.4 10001 27.6 74.3 e7.5 9.1.6 93.8 94.6 (.F 66.5 83.1 8 . . 8 91.0 92.2 93.1 93.8 94.1 94.5 94.5 9:01 21.7 8:001 27.7 7:001 27.7 95.5 96.4 97.2 74.7 74.9 75.3 93.1 94.0 95.5 94.6 94.8 95.1 GΕ 66.6 66.8 88.1 90.5 91.9 94.8 95.6 83.6 88.7 96.4 ЬE 94.J 84.5 92.5 93.9 94.7 95.5 91.7 95.7 96.0 96.5 91.1 97.4 G£ 67.5 9 7 . 1 94.6 95.6 96.3 96.5 96.6 96.9 6001 27.7 67.1 97.9 93.6 5 COT 27.7 67.1 75.5 94.8 92.0 95.2 97.0 97.2 97.2 97.5 98.0 98.0 98.1 98.3 98.3 4001 27.7 7001 27.7 67.i 75.5 75.5 84.8 84.8 89.6 97.3 98.1 98.2 GE 92.C 93.6 95.3 96.2 97.1 97.4 97.7 98.1 96.5 97.1 97.4 97.7 98.2 92.1 93.6 95.3 2001 27.7 75.5 75.5 84.6 92.1 98.6 98.8 67.1 87.6 97.4 97.4 98.1 98.6 6€ 84.8 98.1 98.7 75.5 97.4 GE 31 27.7 67.1 95.3 ,96.3 97.1 97.4 98.1 98.7 98.9 100.0 84 . 8 89.6 92.1 93.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 2255UC STATION NAME: ARKHANGELSK USSR PERIOD OF PECORD: 78-87 MONTH: APP HOURS(LST): 0000-0200 VISIBILITY IN STATUTE MILES CE IL ING ς <sub>5</sub> GE GE 3 2 1/2 IN | GE FEET | 1 GE GE 1 1/2 1 1/4 CE 6 GE 6 E 1 7/4 5/8 1/2 5/16 1/4 Q \* NO CEIL | 37.9 40.7 44.2 44.9 42.5 42.8 44.6 44.6 49.5 49.5 49.8 49.8 49.8 40.8 49 8 GE 200001 34.4 45.6 47.4 47.7 49.1 49.8 49.8 49.4 49.8 40.8 GE 18783| 34.4 GE 16780| 34.4 45.6. 47.4 47.7 49.1 49.5 49.5 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 45.6 47.7 47.7 49.1 49.5 49.5 49.8 47.8 49.8 49.8 49.8 49.8 49.8 49.8 GE 140ccl 34.4 49.8 49.8 49.8 49.8 49.8 49.5 GE 120001 34.4 47.4 49.8 49.8 49.8 49.8 4 9 . A 61.1 100001 41.8 63.9 64.0 66.0 66.3 66.3 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 GΕ 90001 41.8 80001 41.8 61.1 63.9 63.9 64 • 6 64 • 6 66.0 66.0 66.3 66.3 66.3 66.3 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 GE 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 70001 41.P 61.1 63.9 64.6 66.0 66.3 66.3 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 6003| 41.8 €1.1 66.7 66.7 5°C01 42.1 66.3 66.7 ĿΕ 61.4 64.9 67.4 45001 42.1 40001 42.8 62.5 64.2 66.3 67.0 68.1 67.4 67.4 67.4 67.4 GΕ 64.9 67.0 67.4 67.4 67.4 61.4 68.4 66 • D 68.1 68.4 68.4 68.4 ыŁ 70 . 2 70.5 7n.5 70.5 GE 30001 45.3 65.6 68.8 69 . 5 71.2 71.9 71.9 72.3 72.3 72.3 72.3 75.4 25 001 47.0 75.4 75.4 75.4 75.4 75.4 Gξ 68.8 71.9 72.6 74.4 75.1 75.1 75.4 75.4 75.4 2063| 47.4 71.6 73.0 78.9 78.9 81.1 78.9 78.9 78.9 78.9 78.9 78.9 78.9 74.7 75 • 4 77 • 2 77.5 79.3 78.2 GE 78 . 2 (.F 76.5 8 C . C 80.0 81.1 91.1 81.1 61.1 81.1 91.1 81.1 81.1 15001 49.6 6E 74.7 79.6 82.5 63.5 64.9 78.6 93.2 84.6 84.6 95.3 85.3 12031 48.8 90.2 90.5 90.9 93.3 GE 10021 48.8 78.2 83.5 86 . 3 89.1 98.5 91.2 92.3 92.6 93.0 93.0 93.3 93.3 93.3 93.3 9001 48.8 9001 48.8 94.0 94.7 97.2 94.7 95.4 97.9 78.9 78.9 84.2 84.6 87.9 87.4 89.8 90.2 91.6 91.9 92 • 3 92 • 6 93.3 93.7 93.7 94.0 94.4 94.4 94.7 94.7 94.7 GE GE 95.1 95.4 95.4 95.4 97.9 GΕ 7001 48.8 79.3 85.6 86.0 89.1 92.3 94.0 94.7 95.8 96.5 96.8 97.9 6001 49.8 92.6 94.4 75.3 95.4 96.5 98.2 98.6 92.6 94.4 4001 49.1 3001 49.1 2001 49.1 99.6 99.6 99.6 GE 79.6 86.3 89.8 93.C 94.7 95 •8 95 •8 96.8 96.8 97.5 98.6 98.9 98.9 99.3 99.6 99.6 99.6 75.6 86.3 99.6 89.8 100.0 86.3 95 • 8 75.6 93.0 94.7 96.8 97.5 . 98.6 90.9 99.3 100.0 100.0 1001 49.1 99.3 98.9 75.6 89.8 97.5 98 . 6 100.0 86.3 93.E 94.7 95.8 96.8 160.0 100.0 C| 49.1 98.9 99.6 100.0 100.0 100.0 GΕ 75.6 86.3 89.8 93.0 94.7 95 .8 96.8 97.5 98.6 99.3

FERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255UC STATION NAME: ARKEANGELSK USSR PERIOD OF RECORD: 78-87 HOURS(LST): 0300-3500 MONTH: APP . . . . . . . . . . . . . . CEILING VISIBILITY IN STATUTE MILES GE GE IN | | | GE 4 ŒΕ GE GE GF GE 2 1 1/2 1 1/4 GF GŁ GE GE GF GE O 3 2 1/2 t ٠, 1.0 5/8 5/16 1/4 1/2 NO CETE 1 27.5 33.0 34.0 34.C 34.0 34.7 35.1 35.1 35.1 35.1 35.1 35 - A 36.1 36.1 36.5 GE 200001 24.7 40.3 46.3 41.0 40.3 41.3 41.3 41.3 41.3 41.3 42.0 42.4 42.4 42.7 GE 18000| 24.7 GE 16000| 24.7 GE 14000| 24.7 37.8 39.2 46.3 46.3 43.3 41.C 41.3 41.3 41.3 41.3 41.3 42.0 42.0 42.4 42.4 42.4 42.7 42.7 41.3 37.€ 39.2 40.3 40.3 46.3 41.0 41.3 42.4 4C.3 40.3 40.3 41.0 41.3 41.3 41.3 41.3 91.3 42.0 42.4 42.7 GE 125001 24.7 37.8 19.2 4C . 3 40.3 42.0 40.3 SE 100001 35.8 56.3 59 an 60.4 67.4 6 C . 4 61.5 62.2 62.2 62.2 63.2 63.5 63.5 63.9 90001 35.8 87001 35.8 56.3 56.3 59.0 62.4 60.4 60.4 60.4 61.5 61.5 62.2 62.2 62.2 62.2 62.2 62.2 62.2 63.2 63.5 63.9 59.0 59.0 60.4 ĿΕ 63.4 62.2 63.5 63.9 70 201 35.8 56.3 67.4 67.4 61.5 66.4 62.2 62.2 62.2 62.2 62.2 63.5 67001 35.8 GE 62.2 62.2 62.2 62.2 63.2 63.5 63.5 63.9 GE 5000| 36.5 56.9 59.7 61.1 61.1 61.1 62.2 62.8 62.9 62.8 62.8 62.8 63.9 64.2 64.2 64.6 45.6| 36.8 4000| 37.2 3500| 37.8 61.5 62.5 63.5 62.5 63.5 64.6 66.3 GΕ 57.3 58.3 60.1 61.1 61.5 62.5 61.5 63.2 63.2 67.2 63.2 64.2 65.3 54.6 64.9 66.0 64.6 úΕ 62.5 64.2 64.2 65.6 66.7 64.2 64.2 65.6 55.4 6E 62.2 63.5 65.3 67.0 65.3 66.7 67.0 66.3 30001 38.9 67.0 67.0 68.1 68.4 68.8 25 00 | 40.3 20 00 | 41.7 18 00 | 42.4 67.4 69.1 69.1 69.4 72.6 79.5 71.2 71.2 71.2 71.2 71.2 72.2 72.6 77.8 74.9 G€ 68.1 71.5 73.6 73.6 75.7 73.6 75.7 74.7 76.7 75 • 7 77 • 8 76.4 76.4 79.5 76.4 76.4 77.4 77.8 78.1 69.9 78.5 78.5 81.9 78.5 78.5 79.5 79.9 79.9 96.2 ĿΕ GE 15001 43.8 71.9 78 . 8 79.9 92.3 82.3 93.7 82.3 83.3 63.7 84.0 12001 44.1 72.6 77.8 81.6 81.9 83.3 85.1 86.1 10001 45.1 ĿΕ 74.0 79.5 83.3 84.O 45.4 87.2 88.2 83.2 88.5 88.5 88.5 89.9 93.3 97.3 96.6 900| 45.1 74.7 84.4 87.6 85.1 88 • 2 89 • 2 89.6 91.0 89.5 91.0 89.9 91.7 91.7 93.4 91.7 93.4 92.G 93.8 86.5 87.5 89.9 89.9 91.3 GE 81.6 86.1 91.7 93.1 7001 45.5 86.5 95.1 95.8 82.3 87.5 88.9 90.6 92.4 92.4 94.8 95.5 υE 4001 45.5 76.7 95.8 96.2 5001 45.5 ĿΕ 76.7 82.6 86.8 87.8 89.2 93.1 94.1 91.0 93.1 94.1 94.1 95.5 95.8 95.8 96.2 4001 45.5 3001 45.5 GE 77.1 83.0 83.0 87.2 87.2 88.2 89.6 89.6 93.4 93.4 93.4 94.4 94.4 91.3 91.3 93.4 94.4 95.8 96.2 96.2 96.5 96.5 94.4 95.8 96.2 96.2 GΕ 1601 45.5 77.1 83.0 P7.2 89.2 89.6 91.3 93.4 96.9 97.2 96.9 1001 45.5 83.0 94.4 88.2 89.6 93.4 96.5 91.3 93.4 94.4 97.6 00. 1 01 45.5 87.2 88.2 89.6 91.3 93.4 93.4 94.4 94.4 94.4 96.5 97.6 97.6 100.0

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PEPIOD OF PECORD: 78-87 MONTH: APR HOURS(LST): 0600-0800

												HUNTH			12317.		
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	LING									IN STATE							
		32	CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	()
• • •		• • • • •		• • • • • • •	• • • • • •				• • • • • • •	***							
NO	CEIL I	17•A	ž ž • 7	23.1	24 - 1	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.5	26.6	26.6	26.9
GΕ	200001	25.9	11.8	32 .5	33.9	34.6	34.6	35.0	35.0	35.€	35 • n	35.0	35.0	36.0	37.1	37.1	37.4
ЬE	18ccol	25.9	31.8	32.5	33.9	34.6	34.6	35.0	35.0	35.€	35 • Ö	35.0	35.0	36.7	37.1	37.1	37.4
	160 001		31.9	32.5	33.9	34.6	34.6	35.0	35.0	35 • C	35.0	3= .0	35.0	36.0	37.1	37.1	37.4
	140001		31.6	32.5	33.9	34.6	34.6	35.0	35.C	35.0	₹5.0	35.0	35.0	36.0	37.1	37.1	37.4
	120 601		31.8	32.5	33.9	34.6	34.6	35.0	35.0	35 ⋅ €	35 • C	35.0	35.0	36 • D	37.1	37.1	37.4
O.L	12:05	2 / • /	- 100	32.07	33.7	34.0	34.0	33.0	33.0	3,40	33.0	3 • 0	33.5	30 . 0	3.44	3	3
	100001		51.1	55.2	57 • 7	58.7	56.7	59 • 1	59.4	60.1	60.5	60.8	60.8	62.2	63.3	63.3	63.6
61	90001		5 2 • 1	55.2	57.7	58.7	58.7	59.1	59.4	60.1	60.5	60.8	60.8	62.2	63.3	63.3	63.6
(,E	8 J D D		53.1	55.2	57.7	59.7	58.7	59.1	59.4	63.1	60.5	6 C • B	60.8	62.2	63.3	63.3	63.6
ĿΕ	75 601		5.3 - 1	55.2	57.7	58.7	5 P • 7	59.1	59.4	60.1	60.5	6€.8	60.8	62.2	63.3	63.3	63.6
ĿΕ	67001	37.1	5 2 • 1	55.2	57 • 7	58.7	58.7	59 • 1	59.4	6C.1	60.5	67.8	6J.8	62.2	63.3	63.3	63.6
ĿΕ	5ncol	37.1	5 2 • 1	55.2	57.7	58.7	58.7	59.1	59.4	60.1	60.5	6₽•8	60.8	62.2	63.3	63.3	63.6
UΕ	41001	37.4	5 1.5	55.6	58 . C	59.1	59.1	59.4	59.8	60.5	60.8	61.2	61.2	62.6	63.6	63.6	64.€
GF.	40001	37. P	54.5	57.C	59.8	60.8	6 0 ⋅8	61.2	61.5	62.2	62.6	62.9	62.9	64.3	65.4	65.4	65.7
Ŀξ	35671	39.8	55.9	59.4	61.2	62.2	62.2	62.6	62.9	63.6	64 . C	64.3	64.3	65.7	66.8	66.8	67.1
GE	30 001	50.0	57.3	59.8	62.6	63.6	63.6	64.0	64.3	65.C	65.4	65.7	65.7	67.1	68.2	68.2	68.5
41				•	02.0	0,.0	0340	5	0.00			• . • .			0002	0.,	
₩E	21 001	4.7.9	59.6	6 7 . 3	66 - 1	67.5	67.5	67.8	68.5	69.2	69.6	69.9	69.9	71.3	72.4	72.4	12.1
U€	20001		63.6	67.8	71	73.1	73.4	74.1	74.8	75.5	75.9	76.2	76.2	77.6	78.7	78.7	79.0
ű.E	10 601		64.7	69.9	73.1	75.2	75.5	76.2	76.9	77.6	78.0	78.3	78.3	79.7	90.8	80.A	81.1
υ£	15 001		56.4	77.6	75.2				79.4	80.1	80.8	81.1	81.1	82.5		83.6	
LE						77.3	77.6	78 • 7						87.8	83.6 88.8		83.9
UE	11001	4243	68.5	7.7.4	78 • 7	81.1	81.8	82.9	83.9	84.6	86 • D	86.4	86.4	87.5	88.8	8.88	89.2
u.E.	10001		55.5	74.0	86.8	63.2	84.3	85.3	86.7	87.4	88.8	83.5	84.5	<b>90.9</b>	92.0	92.D	92.3
υ£		42.7	65.9	74.5	81.1	83.6	84.6	85.7	67.1	87.8	89.2	93.2	97.6	92.0	93.0	93.D	93.7
υE		42.7	65.9	75.2	81.5	83.9	85.U	86.0	87.4	88.1	ዓ <b>9 •</b> 5	90.6	90.9	92.3	93.4	93.4	94.1
ſ∍ <b>E</b>		42.7	65.9	75.2	81.5	84.3	85.3	86 -4	87.8	68.5	90.2	91.6	92.0	93.4	94.4	94.4	95.1
ΘE	F 00	42.7	69.9	75.2	81.5	84.3	P5.3	86.4	87.8	88.5	90.2	91.6	92.0	93.4	94.4	94.4	95.1
LE	1157	42.7	55.9	75.6	81.5	84.3	85.7	86.7	88.1	88.5	90.6	97.0	92.3	93.7	94.8	94.8	95.5
GΕ	4021	42.7	65.9	75.2	81.8	84.6	86.0	87.1	88.5	89.2	90.9	92.3	22.7	94.1	95.1	95.1	95.8
üΕ		42.7	65.9	75.2	81.5	84.6	86.0	87.1	88.5	89.5	91.3	92.7	93.0	94.4	95.5	95.5	96.2
úξ		42.7	65.9	75.2	81.6	84.6	86.0	87.1	88.5	89.9	91.6	93.0	93.4	94.8	96.9	96.9	97.6
GE		42.7	69.9	75.2	81.8	84.6	86.0	87.1	88.5		91.6	93.0	93.4	94 . 8	96.9	97.6	100.0
.,,	, ,				.,	07.0		0. • 7	39.3	0,,,	1 . 0	7 3	73.4	77 0	70.7	,	
υE	r. 1	42	69.9	75.2	81.6	84.6	86.0	87.1	68.5	89.9	91.6	93.0	93.4	94.8	96.9	0.7	100.0
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# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 76-87 STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR MONTH: APR HOURS(LST): 0900-1100 VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | 10 CE 6 6 E 5 GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE SE 3/4 GE 1/2 GE 5/16 GE 1/4 GE 0 5/8 NO CEIL | 21.6 27.1 27.9 29.4 29.7 30.5 30,5 30.5 30 • 9 31.2 31.2 31.2 31.2 31.2 31.2 38.3 40.1 40.1 40.5 47.7 40.9 40.9 GE 200001 27.5 47.9 47.9 GE 18000 27.5 GE 16000 27.5 36.4 36.4 38 · 3 38 · 3 38 · 3 38 · 3 39.8 39.8 40.1 40.1 40.1 40.1 40.5 40.5 40.9 40.9 40.9 40.9 40.9 40.9 40.9 35.7 35.7 39.0 40.9 40.9 39.0 GE 140001 27.5 40.9 35.7 36.4 38.3 38.3 39.0 39.8 40.1 40.1 40.5 40.9 40.9 40.9 40.9 40.1 UE 120001 27.5 35.7 36.4 39.0 39.8 40.1 42.9 40.9 40.9 40.9 40.9 38 . 3 38.3 40.5 63.2 63.9 64.3 64.3 GE 100001 76.8 GE 90001 35.8 61.0 61.7 63.2 64.3 60.2 62.5 64.3 64.3 64.3 54.6 56.1 64.3 64.3 54.6 56.1 61.0 63.2 ь3.2 63.9 64.3 64.3 64.3 60.2 61.7 62.5 GE 80 CO! 36.8 54.6 56.1 60.2 61.7 62.5 62.5 63.2 63.2 63.9 64.3 64.3 64.3 64.3 70001 36.8 64.3 60 . 2 61.6 ÚΕ 64.3 60001 36.8 54.6 56.1 6C . 2 61.0 61.7 62.5 63.2 63.2 64.3 64.3 64.3 GE 5001 36.8 54.6 56.1 60 • 2 61.0 61.7 62.5 63.2 63.2 63.9 64.3 64.3 64.3 64.3 64.3 64.3 45 001 36.8 40001 37.5 54.6 56.1 64.3 64.3 64.3 64.3 6C.2 61.0 62.1 61.7 62.5 63.6 63.2 63.9 64.3 GΕ 63.2 64.3 55.8 61.3 64.3 65.1 65.4 65.4 65.4 65.4 65.4 65.4 66.7 GE 35001 37.9 56.3 58.0 62.1 62.8 63.6 64.3 65.1 65.1 65.8 66.2 68.4 66.2 68.4 66.2 66.2 66.2 3 CO 1 39.0 58. 60.2 64.3 66.5 25651 39.8 55.9 69.0 70.3 66.2 68.8 69.5 GE GE 14.1 77.7 2000| 40.1 1800| 40.5 62.8 65.4 65.4 68.5 69.5 72.1 72.1 74.7 72.9 75.5 73.6 76.2 74.7 77.3 75.5 78.4 75.8 79.8 75.8 79.8 75.8 78.8 75.8 78.8 75.8 78.8 75.8 78.8 1500| 41.6 1200| 42.0 84.4 92.2 72.1 79.9 82.9 83.3 84 . C 84.4 92.2 92.2 GE 71.4 82.2 85.9 86.6 87.4 90.7 10001 42.4 72.5 17.7 95.2 95.2 GE 84 . 4 88.1 8.48 89.6 92.9 94.4 94.8 94.8 95.2 95.2 91.8 9001 42.4 9001 42.4 89.6 91.8 95.2 72.5 72.9 77.7 84.4 88.1 88.8 92.9 94.4 94.8 94.8 95.2 95.2 GE GE 78.1 95.5 95.5 7001 42.4 6001 42.4 78.4 78.4 89.2 9ü.3 85.5 96.7 θŁ 85.5 96 . 3 96 . 7 96.7 \* (DI 42.4 73.2 GE 78.4 P5.5 89.2 90.7 91.8 94.1 95.2 96.7 97.4 97.4 97.8 97.8 97.8 97.8 400| 42.4 \*80| 42.4 260| 42.4 95.2 95.2 97.4 97.4 97.8 97.8 97.8 73.2 7 B . 4 94.1 96.7 97.8 97.8 97.8 85.5 89.2 91.8 91.9 Ģξ 90.7 71.2 1.F 78.4 A5 • 5 87.2 97.8 95.2 96.7 97.4 98.5 98.5 78.4 94.1 98.5 GE 85.5 89.2 JC.7 91.8 99.3 1031 42.4 90.7 91.8 98.5 100.0 97.4 01 42.4 78.4 95.2 98.5 99.3 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM FOURLY CBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PER100 OF RECORD: 78-87 MONTH: APR HOURS (LST): 1200-1400 CEILING
IN | GE CE
FEET | 1P 6 VISIPILITY IN STATUTE MILES 6 F GΕ GE 5/16 5/8 1/2 31.1 NO CETE 1 23.4 25.4 37.4 30.0 31.1 31.1 31.1 31.1 31.5 31.5 31.5 31.5 ?1.5 31.5 31.5 42.3 43.0 47.0 GE 20001 32.2 35.9 41.3 42.L 42.3 42.7 42.7 42.7 43 • C 43.0 43.0 43.0 43.0 43.0 GE 16000] 32.2 GE 16000] 37.7 GE 14000] 22.2 GE 12000] 32.2 42.3 39.9 39.9 42.3 42.7 43.0 43.0 41.3 42.0 42.7 42.7 43.0 43.0 43.0 43.0 47.0 41.3 42.U 42.3 42.3 42.7 42.7 42.7 43.0 43.0 43.0 43.0 4 7 . 0 43.0 42.0 42.0 42.3 42.3 42.7 43.0 39.9 41.3 42.3 42.7 42.7 43.0 43.0 43.0 43.0 43.0 43.0 41.3 42.7 42.7 42.7 6E 100001 42.0 51.1 55.2 57.0 59.1 59.1 59.4 59.4 59.8 59.8 90001 42.0 80001 42.0 53.1 53.1 55.2 55.; 59.0 58.0 59.1 59.1 59.1 59.4 59.4 59.4 59.8 59.8 59.8 59.8 59.8 59.8 t.E 57.0 58.4 59.1 59.4 59.4 58 • 4 59.1 59.4 59.4 57.0 70001 42.0 55.2 59 • 1 59 • 1 59.1 59.4 59.4 59.4 59.4 59.8 5 9 . A 59.8 59.8 59.8 60001 42.0 59.1 59.4 59.4 59.4 59.4 59.8 GE 5 3 . 1 55.2 57 . U 5 P . () 58.4 59.1 50001 43.0 52.1 57.1 59.4 59.4 59.4 59.4 59.8 55.2 57.0 59.0 58.4 59.1 59.1 59.8 G€ 59.8 45 LC1 42.6 40601 43.7 59.4 61.5 59.8 61.9 59.8 59.4 58.7 59.4 59.4 59.8 59.8 60.1 60.1 60.1 62.2 55.6 57.7 57.3 60.5 62.9 61.5 55.6 58.0 66.8 61.9 61.9 6 E 59.4 61.5 62.2 62.2 35001 45.5 64.3 63.1 61.9 64.0 58.4 63.5 64.3 64.3 64.7 64.7 64.7 64.7 65.D 65.0 65.0 63.6 67.8 72.4 75.9 72.C 25 001 49.3 (, ) 65.4 69.9 71.0 71.3 72.0 72.C 72.4 72.4 72.4 72.4 72.7 72.7 72.7 20001 50.3 77.6 78.3 G€ 69.6 74.8 75.9 87.8 76.6 77.3 77.3 77.3 77.6 77.6 77.6 78.3 78.3 18001 51.7 15001 57.5 79.4 81.5 82.2 82.2 P2.5 82.5 82.5 82.5 P3.2 83.2 53.2 97.8 87.8 93.4 16.2 19.7 63.9 85.3 8 E . C 87.1 87.4 87.4 87.8 87.8 98.5 88.5 86.5 1702| 54.5 93.C 43.6 88 . 1 99.2 01.3 93.C 93.4 94.4 94.4 92.3 10001 54.5 95.1 " ( . 4 93.0 94.8 95.8 95.8 95.8 96.2 97.2 97.2 97.2 9031 54.5 FORT 54.5 41.1 e1.1 85.7 85.7 92.7 94.1 95.5 95.5 96.2 96.2 96.9 97.2 GE 90.2 97.6 97.6 97.6 97.9 99.0 99.0 99.0 97.9 99.3 99.3 99.3 90.2 97.9 98.3 Ģ€ 97.2 97.9 97.9 7001 54.5 91.1 85.7 92.7 94.1 95.5 96.2 97.9 97.9 98.3 99.3 99.3 99. 1 97.9 99.3 97.3 ωE 620 L 54.5 91.1 45.7 90.2 92.7 95.5 96.2 99.3 93.0 5001 54.5 01.1 85.7 90.2 90.2 94.4 94.4 97.2 97.9 97.9 97.9 98.3 99.3 99.3 99.3 GE 96.2 95.5 400| 54.5 100| 54.5 85.7 85.7 95.8 95.8 98.3 98.3 99.7 99.7 96.5 96.5 97.6 98.3 98.3 98.6 99.7 43.0 61 - 1 . . 90.2 98.3 98.3 98.6 99.7 100| 54.5 93.6 90.2 95.8 96.5 98.3 100.0 100.0 95.7 96.5 98.3 98.3 94.3 100.0 71 4.5 G€ 21.1 95.7 90.2 93.0 94.4 95.8 96.5 97.6 28 . 3 90.3 98.3 99.0 100.0 100.0 100.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225501 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87

·										MONTE	: APR	HOURS	(EST):	1500-17	CC
	• • • • • • • • •	• • • • • •		• • • • • •	• • • • • • •					• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •
CEILING IN I GE	CF	3.0	GE	GE	9.0	G E	GE	IN STATE	96 30 Jir	E S G E	Gr		GE	GΕ	GE
FEET 1 10		5	4		2 1/2		1 1/2		1	3/4	5 / A	GE 1/2	F/16	1/4	GE.
***********										-	2/H			_	
												• • • • • •	••••		••••
NO CETE 1 25.8	31.3	31.3	32 <b>.</b> ü	32.5	32.6	32 • 6	32.6	32 • 6	72.6	37.6	32.6	32.6	32.6	32.6	32.6
6E 200001 33.3	35.5	40.2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
WE 180001 33.3		40.2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 16:001 33.3		43.2	41.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000  33.3	35.9	4 5 . 2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
ee 15,001 33.3	35.9	40.2	41.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
JE 101001 44.7	55.5	6.7.1	61.9	62.5	62.5	62.5	62.5	62.5	62.5	67.9	62.9	62.9	62.9	62.9	62.9
UE 90001 44.7	55.5	67.1	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9
ot 6'05  44.7	55.5	6 7 • 1	61.9	62.5	62.5	62.5	62.5	62.5	62.5	67.0	62.9	62.0	62.9	52.9	6
6E 77001 44.7		63.1	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.3	62.9	62.9	62.9	62.9	62.9
CE 60001 44.7	5.5.5	67.1	61.9	62.5	62.5	62.5	62.5	62.5	62.5	67.9	62.9	62.9	62.9	62.9	62.9
UE 50°C3  45.0	59.8	67.5	62.2	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2	6 ? • 2	63.2
6E 45 661 45.4		61.2	62.9	63.6	63.6	63.6	63.6	63.5	63.6	67.9	63.7	63.9	63.9	67.9	63.9
UE 4000 47.1		63.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	66.0	66.0	66.3	66.2	66.0	65.0
GE 35 001 47.8		64.3	66 • 3	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.3	67.0	67.3	67.0
GE 30001 50.5		67.4	69.1	69.8	69.8	69.8	69.8	69.8	69.8	70.1	73.1	70.1	70.1	70.1	73.1
of armst and			35	7, 7		<b>.</b>	3, ,	•	<b>.</b>	77.0	77.0				
UE 2503 54.0		73.5	75 • 6	76.3	76.3	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.6
GE 2003  55.3 GE 1803  56.7		72.	80.q	81.8	81.8	82.1	82.1	82.1	92 • 1	87.5	82.5	82.5	P 2 • 5	62.5	82.5
		8 J - 8	83.5	84.5	84.5	84.9	84.9	85.2	A5.2	85.6	85.6	85.6	A5.6	85.6	P5.6
- 6E - 1000  59.1 - 6E - 1200  59.8		83.5 87.6	86.6	88.3	5 E • 3	88 • 7	88.7	89.0	89.3	89.7 95.9	99.7	89.7	89.7	50.7	89.7
or 1.001 24.0	44.9	31.6	91.8	94.2	94.2	94.8	94.8	95.2	75.5	95.4	95.9	96.2	96.2	56.2	96.2
LE 11 101 59.8		89.0	93.1	95.9	95.9	96 • 5	96.6	97.3	97.6	97.9	99.3	98.6	78.6	44.6	98.6
GE 9 €3   59 • 8		87.3	93.5	96.2	96.2	96.9	96.9	97.6	97.9	90.3	38.6	99.0	39.0	49.11	99.0
08 62-1 63-1		97.3	94.2	99.9	96.9	37.6	97.6	98.3	9.80	60.0	00.3	99.7	9.7	49.7	99.7
6E 7631 60.1		97.0	94.2	96.9	96.9	97.6	97.6	98.3	98.6	99.D	99.3	99.7	97.7	99.7	99.7
et (col e1	a ( • è	90.0	94 • 2	96.9	96.9	97.6	97.6	98.3	ი8•6	90.1	99.3	99.7	100.0	100.0	100.0
%E	76.5	90.0	94.2	96.9	96.9	97.6	97.6	98.3	98.6	99.0	99.3	99.7	100.0	100.0	100.0
GE 4371 60.1	4 £ . 0	9.0 • 0	94.2	46.9	96.9	97.06	97.6	98.3	9.80	99.0	99.3	99.7	170.6	100.0	100.0
5€ 7531 €0•1	86.9	97.6	94.2	96.9	96.9	97.6	97.6	98.3	38.6	99.0	99.3	99.7	100.0	100.0	100.0
UE 760   60.1	2 € • 9	90.0	94.2	96.9	96.9	97.6	97.6	98.3	98.6	99.0	99.3	99.7	100.0	100.0	100.0
- 6€ - 1.01 € 2 <b>.1</b>	16.9	90.0	94.2	96.9	96.9	97.6	97.6	98.3	98.6	30.0	99.3	99.7	100.0	100.0	100.0
6E 01 67.1	46.9	97.4	94.2	96.9	96.9	97.6	97.6	98.3	98.6	90.5	99.3	99.7	100.0	100.0	100.0
					, , , , , , ,	71.60	,,,,								

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY CUSERVATIONS

PERIOD OF RECORD: 78-87

STATION NUMBER: 225560 STATION NAME: ARKHANGELSK USSR

MORTH: APP HOURS(LST): 1900-2000 VISIRILITY IN STATUTE MILES
GE GE GE GE
2 1 1/2 1 1/4 1 CEILING GE GE GE 4 3 2 1/2 IN | GE FEET | 10 G E S GΕ Œ Gr GE 10 578 1/2 5/16 G NO CETE | 25.3 12.3 35.i 35 .8 35.4 35.8 35.8 36.1 36.1 36.1 36.1 36.1 36.1 16.1 36.1 36.1 GE 200001 33.5 43.8 45.8 46.2 46.5 46.5 46.5 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.5 GE 180 00 | 33.0 43.8 45.8 46.2 46.5 46.5 46.9 46.9 46.9 45.9 46.9 46.5 46.9 46.9 46.9 46.9 16000| 33.0 14000| 33.0 42.8 45.8 46 . 2 45.5 46.5 46.5 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.9 43.8 45.8 GE 46.2 46.5 46.5 46.5 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.9 46.9 120001 33.0 45.8 46.9 46.9 46.9 46.9 46.9 46.5 66 100001 45.P 69.1 69.1 69.8 69.8 9000| 45.8 6700| 45.8 7000| 45.5 ЬĒ 66.0 68.1 68.4 68.8 68.8 69.1 69.4 69.8 69.8 69.8 60.8 69.6 69.8 69.8 69.8 69.8 69.8 69.8 68.1 68 . 4 69.8 GE 66.L 6 E . 8 69.5 69.8 60001 45.8 69.1 6E 66.0 68 . 4 68.8 €8.8 69.4 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8 GΕ 50001 46.2 66.3 68.4 68 . 8 69.1 69.1 69.4 69.8 70.1 70.1 70.1 72.1 70.1 70.1 70.1 70.1 69.8 70.8 45 COT 46.5 40 COT 47.2 67.0 69.1 69.4 69.8 70.8 70.8 73.3 70.1 70.5 70.8 70.8 70.8 79.8 70.8 6E 69.4 71.5 71.9 72.2 72.2 72.6 72.9 73.3 73.3 73.3 73.3 73.3 73.3 GE 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 30 001 49.0 75.3 79.9 79.9 25 001 51.0 77.4 78.8 79.2 UΕ 75.3 78.1 78.8 79.5 79.9 79.9 79.9 79.9 79.9 79.9 20001 53.5 a C • 2 82.3 84.7 GE 84.4 84.7 85.1 85.1 85.1 87.8 85.1 87.8 85.1 87.8 R3 . 3 84.0 84.0 85.1 85.1 85.1 GE 1603| 53.8 81.9 86.1 86.8 86.8 90.3 87.2 87.5 87.8 87.8 87.8 87.8 6E 15 ce i 54.5 44.C 86.8 88.5 9g.6 96.2 91.Q 96.5 91.3 96.9 91.3 91.3 91.3 91.3 91.3 91.3 91.3 96.9 99.3 99.3 99.7 10001 55.9 91.7 95 - 1 97.2 97.9 93.6 99.6 99.0 99.3 99.3 98.3 9.31 55.9 ĿΕ 88.2 88.5 91.7 95 • 1 95 • 5 96.9 97.2 97.9 98.3 98.6 99.0 99.6 99.0 98.6 99.0 99.3 99.3 99.3 97.6 #301 55.9 99.0 99.3 υE 98.3 98.6 7001 55.9 28.9 92.4 95 . H 97.6 99.3 99.3 79.7 100.3 100.0 100.0 98 .6 100.3 100.0 100.0 100.0 5001 55.9 88.9 92.4 99.3 99.3 GΕ 95 . 8 97.6 97.9 98 .6 99.0 99.3 99.7 100.0 100.0 100.0 100.0 4001 55.9 3001 55.9 92.4 97.6 97.6 97.6 89.9 95.8 99.3 99.3 99.7 100.0 97.9 98.6 99. C 99.3 100.0 100.0 88.9 99.7 GΕ 95.8 97.9 98.6 99.C 99.3 99.3 90.3 100.0 100.0 100.0 100.0 98.6 99.3 190.0 160.0 100.0 100.0 1001 55.9 88.9 92.4 99.7 99. 1 100.0 100.0 100.0 100.0 31 55.9 GE 98.9 92.4 95 . 8 97.6 97.9 98 . 6 99.0 97.3 99.3 99.3 99.7 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS: 288

1

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

D610D	0 F	4 £ C 0 R	0: 1	8-8	7	
MONTH:	A F	H	HOUR	75 ( L	\$11:	2100-2360

														, 003		. 100-25	50
•••			• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			• • • • • • •					• • • • • • •		
CE	ILING							AISI	BILITY	IN STATE	ITE MILE	. S					
1	IN I	GE	GE.	GΕ	GE	GE	GE	GE	GE	GE	G€	GL	Gŧ	GE	GE	GE	Ú€
FF	ET I	10	ι	5	4	₹	2 1,2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	U
											_						
• • •	• • • • • •		• • • • • •							• • • • • • •		• • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • • • • • • •
NO	CEIL	27.2	4 C • C	41.C	42 • 1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
υE	200001	32.1	47.9	49.0	ذ • 0 €	50.3	50.3	50.3	50.3	50.3	50.3	5~.3	50.3	50.3	50.3	50.3	50.3
	180001		47.9	49.6	50.3	50.3	50.3	50.3	50.3	50.3	50 • 3	50.3	50.3	50.3	50.3	50.3	50.3
	160001		47.9	49.6	50 • 3	50.3	50.3	50.3	50.3	50.3	50 • 3	50.3	50.3	50 • 3	50.3	50.3	50.3
	140001		47.9	49.0	50 • 3	50.3	50.3	50.3	50.3	50.3	50.3	57.3	50.3	50 • 3	50.3	50.3	50.3
GE	120001	32.1	47.9	49.0	50 · 3	50+3	50.3	50.3	50.3	50.3	50.3	57.3	50.3	50.3	50.3	50.3	56.3
															-		
1.5	140001	30.6	60.0	61.7	63.6	63.8	64.1	64.1	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5
G.E.	90001		6[.0	61.7	63.8			64 - 1	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5
						63.8	64.1										
5 €	€ C D O		6 C • D	61.7	63.8	63.8	64.1	64.1	64.1	64 • 1	64.1	64.5	64.5	64.5	64.5	64.5	64.5
ĿΕ	71001		60.0	61.7	63.0	63.8	64.1	64.1	64.1	64.1	64 • i	64.5	64.5	64.5	64.5	64.5	64.5
GΕ	60001	38.6	65.0	61.7	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5
					-												
GE	5mcal	tq. n	6[.3	62.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.2
					-			_									
υE	4.001		60.7	62.4	64.5	64.5	64.8	64.8	64.8	64 • A	64.8	65.5	65.2	65.2	65.2	65 • Z	65.2
GE	40001	40.0	€2.8	64.5	66 • 6	66.9	67.2	67.2	67.2	67.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6
CE	35 001	43.T	6 3 . 1	64.8	66 • 9	67.2	67.6	67.6	67.6	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9
CE	30 00 1	41.0	65.2	66.9	69 . 0	69.3	65.7	69.7	69.7	69.7	69.7	79.0	70.0	73.0	70.0	79.0	70.0
							•	•					• •				
UE	25 501	47.0	65.5	79.7	72.8	73.1	73.4	73.4	73.4	73.4	73.4	77.8	73.8	73.8	73.8	73.8	73.8
			-			-											
υ£	50.031		7 2 . 4	75.2	77 • 2	77.9	78.3	78.3	78.3	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0
GΕ	15 (3)		75	77.2	8C • U	80.7	81.0	81.4	81.4	81.4	91.4	87.1	82.4	82.4	R2.4	82.4	82.4
G.E	15 621	46.6	77.2	80.0	83.1	83.8	84.5	84.8	84.8	84.8	A4.6	8 * . 5	85.9	85.9	85.9	65.9	R5.9
6 E	12001	47.9	91.7	84.5	88.6	90.3	91.0	91.4	91.4	91.4	91.4	97.4	92.8	92.8	92.8	92.8	92.8
								• • •		,				_			
GE	10001	47.0	A 2.8	85.9	90 • ù	91.7	92.8	93.1	93.1	93.1	93.1	94.1	94.5	94.5	94.8	94.8	94.8
υĒ		47.9	92.F	85.9	90 • 7	92.4	93.4	93.8	93.8	94.1	94.1	95.2	95.5	95.5	95.9	95.9	95.9
Ģ€		47.9	3 1 . 1	86.0	91.4	93.4	94.5	94.8	94.8	95.5	95.5	96.6	96.9	96.9	97.2	97.2	97.2
ΘE		47.9	93.6	87.2	92.1	94.1	95.2	95.5	95.5	96.2	96.6	97.6	97.9	97.9	98.3	98.3	98.3
GΕ	42:1	47.9	A 3.6	87.2	92.1	94.1	95.2	95.5	95.5	96.2	96.6	97.6	97.9	97.9	98.3	98.3	98.3
								•	3								
GE	5 (* ) (	48.3	34.1	87.6	92 • 4	94.5	95.5	95.9	95.9	96.6	96.9	97.9	98.3	98.3	98.6	98.6	98.6
												-					
υĒ		40.7	84.5	87.9	92.8	94.8	95.9	96.6	96.6	97.2	97.6	9 P . 6	99.0	99.0	99.3	99.3	99.3
GE		48.3	84.5	87.9	92.8	94.8	95.9	96.6	96.6	97.2	97.€	9°.6	99.0	99.0	99.3	99.3	99.3
úΕ	cal	49.3	84.5	87.9	92.8	94.8	95.9	96.6	96.6	97.2	77.6	9° • 6	99.0	99.0	99.3	99.3	99.3
U€	1001	40.3	94.5	87.9	92.8	94.8	25.9	96.6	96.6	97.2	97.6	94.6	99.0	99.3	99.3	99.7	100.0
									•								
υE	2.1	40.3	94.5	87.9	92 • d	94.8	95.9	96.6	76.6	97.2	97.6	98.6	99.0	99.0	99.3	99.7	100.0
				01.47	72 . 0	74.0	73.9	70.0		-							
• • •			• • • • • •	• • • • • • •		<i></i> .	•••••		• • • • • • •				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • •

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIFILITY FROM HOURLY OBSERVATIONS

51.	ATION	NUMBER:	225507	STATI	ON NAME:	ARKE	ANGELSK	USSR				PEG10U	UF HEC	ú⊬ū: 76.	-67		
												MONTH	: APF	HOURS	(LST1:	ALL	
			• • • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • • •						• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • • •
	11.1%									IN STATE							
	IN	) SE	CE	GF	6.5	GE	GE	GŁ	GE	υĘ	GE.	St.	61	GE	GE	GE	GE
	ELT	1 10	t-	ځ	4		2 1/2		1 1/2		1	7/4	5/6	1/2	5/16	1/4	o o
• •	• • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • • •			• • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • •	•••••
NO	CETI	1 24.1	12.1	33.1	33. 7	34.3	34.3	34.5	34.6	34.6	34 . 7	24.8	34.8	35.0	35.2	35.2	75.3
		•							•	2 1 - 0							
ĿΕ	2000	01 30.4	40.3	41.5	42.6	43.0	43.1	43.4	43.6	43.6	43.7	4 * . 7	43.7	43.9	44.1	44.1	44.2
GŁ	18"0	C   3 . 4	40.3	41.5	42.6	43.0	43.1	43.4	43.6	43.6	43.7	47.7	43.7	43.9	44.1	44.1	44.2
GE	1600	CI 33.4	46.3	41.5	42.6	43.C	43.1	43.4	43.6	43.6	43.7	47.7	43.7	43.9	44.1	40.1	44.2
υE	1450	31 30.4	4 [ . 3	41.5	42.6	43.C	43.1	43.4	43.6	43.6	43.7	47.7	43.7	43.9	44.1	44.1	44.2
ÜE	1200	01 37.4	46.3	41.5	42.6	43.0	43.1	43.4	43.6	43.6	43.7	47.7	43.7	43.9	44.1	44.1	44.2
Ģ€	1000	D1 4D.3	5 E • C	60.0	61.6	62.4	62.6	63.3	63.3	63.5	63.6	67.6	63.8	64.1	64.3	64.3	64.4
GΕ	970	01 40.3	5 e. c	60.0	61.8	62.4	62.6	63.0	63.3	63.5	63.6	63.A	63.4	64.1	64.3	64.3	64.4
GE	800	C   40.3	58.5	60.0	61.0	62.4	62.6	63.0	63.3	63.5	63.6	57.8	63.0	64.1	64.3	64.3	64.4
GΕ	700	01 45.3	5.0	60.0	61.8	62.4	62.6	63.0	63.3	63.5	63.6	63.0	63.6	64.1	64.3	64.3	64.4
υĹ	600	01 40.3	56.0	60.0	61.3	62.4	42.6	4, T , D	63.3	63.5	63.6	6 ° . A	63.8	64.1	64.3	64.3	E 4 . 4
GE	500	61 47.6	5 E • 3	60.2	€2.0	62.7	62.9	63.3	63.6	63.7	63.9	64.1	64.1	64.4	64.6	64.6	64.7
ьE	450	0 40.6	58.6	63.6	62.4	63.C	63.3	63.7	64.C	64.1	64.3	64.5	64.5	64.8	65.3	65.C	65.1
GE	4^0	01 41.7	66.2	62.2	64 - 1	64.8	65.6	65.4	65.7	65.9	66.1	66.2	66.2	66.5	66.8	66.8	66.8
GE	350	01 42.7	61.6	63.€	65.4	66.2	66.4	66 • 8	67.1	67.3	67.5	67.6	61.6	67.9	68.2	68.2	68 • 2
GE	300	01 43.7	62.1	65.2	67.1	67.9	68.2	68.6	68.9	69.0	69.2	63.3	69.3	69.6	69.9	69.9	70.0
GE	250	31 45.8	66.4	69.3	71 • 4	72.3	72.6	73.1	73.4	73.5	73.7	77.9	73.9	74.2	74.4	74.4	14.5
GE	200	01 46.9	76.7	73.5	75.5	77.0	77.5	78.3	78.4	78.6	78 . 8	79.9	79.0	79.3	79.5	79.5	79.6
ĢΕ	1 6 0	C  47.7	72.6	75.6	78.4	79.8	8 C • 2	8.08	81.3	81.5	A1.6	81.9	81.9	82.2	P2.5	02.5	82.6
GE	15.0	3! 49.7	75.2	78.5	81.6	83.3	83.8	84.5	95.1	85.3	95.7	85.3	96.3	86.3	86.6	86.6	86.6
G€	120	.01 49.5	7 8 • U	82.0	96 • 2	89.3	89.D	89.9	93.7	91.1	91.5	91.8	91.9	92.3	92.6	42.6	92.7
6E	100	C   49.7	75.1	83.4	87.8	90.1	91.0	91.9	92.7	93.2	93.7	94 . C	94.2	94.7	95.1	95.1	95.2
ĢΕ		0  49.7	79.4	83.5	88 • 3	90.6	91.6	92.5	93.4	93.9	94.5	94.8	95.1	95.6	36.0	46.0	96.1
GŁ	۶۵	G1 47.8	75.7	84.3	88.6	91.2	92.1	93.0	94.C	94.6	95.2	45.06	95.8	96.4	96.7	96.7	46.8
GF	7.0	S1 49.8	€C.Ú	84.7	89.4	51.9	92.9	93.8	94.7	95.4	96.1	96.5	96.8	97.3	97.7	97.7	97.8
ĿΕ	€ 0	0 49.8	96.1	84.0	99.5	91.9	93.0	93.9	94.9	95.5	95.3	96.7	36.4	97.5	97.9	97.9	98.0
GE		C  49.8	8 C • 1	34.4	89.5	92.0	93.1	94.1	95.1	95.7	46.5	96.9	97.2	97.7	98.1	98.1	96.2
GE		81 49.9	8 ( • 2	84.9	89.7	97.2	93.3	94.3	95.3	96.0	96.8	97.3	97.5	98.1	98.5	94.5	98.6
GE	3 0	0 49.9	80.2	84.5	89.7	92.2	93.3	94.3	95.3	96.0	96.8	97.3	97.5	98.1	78.5	98.5	98.6
ьE		J 49.9	9 C • Z	84.9	89 • 7	92.2	93.3	94.3	95.3	96.1	96.9	97.4	97.6	98.4	98,9	98.9	99.1
GE	10	01 49.9	80.2	84,9	89.7	92.2	93.3	94.3	95.3	96.1	46.9	97.4	97.6	98.4	99.0	99.3	99.9
ÚΕ		01 49.9	90.2	84.9	89.7	92.2	93.3	94.3	95.3	96.1	96.9	97.4	97.6	98.4	99.0	99.3	100.0
														• • • • • • •			

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY GBSERVETIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 78-87

													MONTH	: MAY	HOURS	(LST):	00CO- <sub>0</sub> 2	CC
	ILING	• •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
	IN	ı	GE	CF	GE	GE	GE	GΕ	GE	GE	GE.	GE	GE	GE	GE	Gξ	GE	GE
F	EET	ì		6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
• •	• • • • •	• •	•	• • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •		
NO	CEIL	1	25.1	36.0	37.3	39.7	39.7	39.7	39 • 7	39.1	39.7	39.7	39.7	39.7	39.7	19.7	39.7	39.7
ĢĘ	2000	0 1	29.2	42.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GĒ	18000	o i	29.2	42.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
	16000			42.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	4 . 1	45.1	45.1	45.1	45.1	45.1
	14000			42.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	40.1	45.1	45.1	45.1	45.1	45.1
ЬE	1200	10	29.2	42.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GΕ	1600	s i	42.4	65.1	67.8	68.5	69.8	66.8	68.8	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2
ίE	9000	e I	42.4	65.1	67.8	68.5	68.8	68.8	68.8	68.8	68.8	68.6	69.2	69.2	69.2	69.2	69.2	69.2
Ŀ٤	81.0	0 l	42.4	65.1	67.8	68 . 5	68.8	6 E . 8	6 A . B	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2
LE			42.4	6 5 · 1	67.â	68.5	68.8	68.8	68.8	68.8	68.8	68.6	69.2	69.2	69.2	69.2	69.2	69.2
GΕ	6000	0 (	42.4	65.1	67.8	68.5	68.8	68.8	68.8	66.8	63.8	68.8	60.2	63.5	67.2	69.2	69.2	69.2
θE	500	υl	42.4	65.1	67.8	68.5	68.8	68.8	68.8	68.8	69.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2
٥E	45.00	S I	43.1	66.1	6 A . 8	69.5	69.8	69.8	69.8	69.8	69.8	69.8	70.2	10.2	70.2	70.2	70.2	70.2
GE			43.4	67.5	77.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5
6E			43.7	67.8	73.5	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9
6E	30.00	) ł	45.4	70.6	73.6	74 • 2	74.6	74.6	74.6	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9
J.	ان ۲۶	e I	47.8	11.9	76.0	77.6	78.0	78.0	78.0	78.C	78.C	78.0	70.3	78 - 3	78.3	78.3	78.3	78.5
GE	2761	c I	49.8	76.3	80.0	81.4	82.0	82.0	82.0	82 • C	82.C	82 · C	82.4	82.4	82.4	82.4	82.4	82.4
G€	1 P ()	01	49.8	78.3	82.0	83.4	84.1	84.1	84.4	84.4	84.4	84.4	84.7	94.7	84.7	94.7	84.7	84.7
υE	15 00	0	51.2	81.4	85.4	87.5	88.8	88.6	69.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	69.5	89.5
υ£	100	C (	52.2	87.5	91.5	94 . 4	95.9	95.9	96.3	96.3	96.3	96.3	94.6	96.6	96.6	36.6	96.6	96.6
CE	170	s i	52.2	87.5	91.5	94 . 2	95.9	95.9	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6
GE.			52.5	88.1	92.5	95.3	96.9	96.9	97.3	97.3	97.3	91.3	97.6	97.6	97.6	97.6	97.6	97.6
GE.	8.08	01	52.5	38.1	92.5	95.3	96.9	96.9	97.3	97.3	97.3	97.3	97.6	97.6	97.6	27.6	97.6	97.6
ü٤	76	71	52.9	= <b>8</b> • 8	93.6	96.3	98.0	98.C	98.3	98.3	98.3	78.3	99.6	98 • 6	98.6	98.6	98.6	76.6
(*E	v C:	) I	52.9	8 9 • 8	93.6	96 • 3	98.0	0.86	98.3	98.3	98.3	98.3	99.6	98.6	99.6	98.6	90.6	98.6
Ğέ	5.67	٠,	52.9	98.8	93.6	96.6	98.3	98.3	98.6	98.6	98.6	98.6	99.0	99.0	99.0	41.0	99.0	99.3
G.E	4.51	οĹ	52.9	89.2	95.9	96.9	98.6	98.6	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.7
6F			52.9	85.2	93.9	76.9	98.6	96.6	99.0	99.0	99.C	99.0	90.3	94.3	99.3	99.3	99.3	99.7
(, E	20.	υį	52.9	95.2	93.9	96.9	98.6	96.6	90.0	99.0	99.C	99.3	99 3	99.3	99.7	99.7	99.7	100.0
SE	10	5 I	52.9	A 5.2	93.9	96.9	98.6	98.6	99.0	99.C	99.C	99.0	99.3	99.3	99.7	99.7	99.7	100.0
G E	,	č 1	52.9	89.2	93.9	96.9	98.6	3.86	99.0	99.C	99.0	99.0	99.5	99.3	99.7	99.7	99.7	100.0

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

					ON NAME:			•				PERIOD MONIH	OF REC	0PD: 78 HOURS	-87 (LST):		
	ILING	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • •	•••••		• • • • • • •	IN STATE	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
F	IN I	10	65	5 ع ع	GE		GE 2 1/2	G E 2	GE 1 1/2	GE 1 1/4	6 E 1	G L 7/4	5/8	GE 1/2	6E 6/16	GE 1/4	GE O
• •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
NO.	CEIL	-1.8	31.5	31.5	32.9	33.6	33.6	33.6	33.9	33.9	33.9	34.2	34.2	34 • 2	34.2	34.2	34.2
Θ£	153335	26,5	37.9	37.9	39.3	39.9	39.0	39.9	40.3	40.3	40.3	47.6	40.6	40.6	40.6	40.6	46.6
GĒ	180001	26.5	37.9	37.9	39.3	39.9	39.9	39.9	40.3	40.3	40.3	43.6	40.6	40.6	40.6	40.6	40.6
ίE	160 CG L	26. 5	77.9	37.4	39.3	39.9	39.9	39.9	40.3	40.3	40.3	47.6	40.6	40.6	40.6	40.6	46.6
GE	140601	26.5	37.9	37.9	35.3	39.9	39.9	39.9	40.3	40.2	40.3	40.6	40.6	43.6	40.6	43.6	40.6
GE	120001	26.5	37.9	37.9	39 • 3	39.9	39.9	39.9	40.3	40.3	40.3	47.6	40.6	40.6	40.6	40.6	40.6
6£	100001	40.3	46.4	61.4	63.1	64.1	64.1	64.1	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1
GΕ	90001		66.4	61.4	63.1	64.1	64.1	64.1	64.8	64.8	64.6	65.1	65.1	65.1	65.1	65.1	65.1
GE	80001	47.3	66.4	61.4	63.1	64.1	64.1	64.1	64.8	64.8	64.8	45.1	65.1	65.1	65.1	65.1	65.1
ψ£	75 631	40.3	c E • 4	61.4	63.1	64.1	64.1	64.1	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1
υE	PUCOL	47.3	6 C • 4	61.4	63.1	64.1	64.1	64.1	64.8	64 • 8	64.8	65.1	65.1	65 • 1	65.1	65.1	65.1
6E	50001	41.7	61.4	62.4	64.1	65.1	65.1	65.1	65.8	65.R	65.8	65.1	66.1	66 • 1	66.1	66.1	66.1
GΕ	45001	42.6	62.5	64.1	65.8	66.8	66.8	66.8	67.4	67.4	67.4	67.9	67.8	67.8	67.8	67.8	67.6
GΕ	40601	44.6	64.4	65.8	67.4	68.5	68.5	68.5	69.1	69.1	69.1	67.5	69.5	69.5	69.5	69.5	69.5
GE	35001	45.0	65.1	67.1	66.8	67.8	69.8	69.8	70.5	70.5	70.5	70.8	70.8	70.8	73.8	70.8	70.8
υE	30.001	46.C	68.5	69.6	71.5	72.5	72.5	12.5	73.2	73.2	73.2	73.5	73.5	73.5	73.5	13.5	73.5
LE	25001	49.7	72.0	74.2	75 . 8	76.8	76.8	76.8	77.5	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9
GE	20001		71.2	78.5	86.9	81.9	82.2	82.6	83.2	83.2	93.2	81.6	93.6	83.6	93.6	83.6	93.6
υĿ	18001	57.7	75.2	81.2	93.2	84.2	84.6	84.9	45.6	85.6	R5 . 6	85.9	95.9	85.9	P5.9	85.9	E5.9
G€	15001		A 1.5	83.9	86.2	87.2	87.6	87.9	98.6	89.6	98.6	89.7	98.9	88.9	9.88	88.9	P8.9
υĒ	12001		86.6	88.9	92.6	94.6	94.3	94.6	95.3	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6
<b>6</b> ₹	10001	54.0	H 7.9	90.3	94.0	95.3	95.6	96.0	96.6	97.5	97.0	97.3	97.3	97,3	97.3	97.3	97.3
GΕ	9 00 1	54.0	97.9	90.3	94 )	95.3	95.6	96.0	96.6	97.C	97.0	97.3	97.3	97.3	97.3	97.3	97.3
G €	8 cal	54 . C	47.9	93.6	94 6	96.0	96.3	96.6	97.3	97.7	97.7	99.0	99.0	98.0	98.0	98.0	98.0
6€	7001	54.0	± <b>€ .</b> 3	90.9	95 a J	96.3	96.6	97.0	97.7	98.C	98.3	99.7	98.7	98.7	98.7	98.7	98.7
Ģ€	6001	54.0	98.3	90.9	95 • U	96.3	96.6	97.3	98.5	98.3	98.7	99.0	99.C	99.0	99.0	99.0	99.0
3.0	1037	54.0	· 8 . 3	91.3	95 • 3	96.6	97.6	97.7	98.3	98.7	99.0	99.3	79.3	99.3	99.3	99.3	99.3
6E		54.0	9.8.3	91.3	95.6	97.0	97.3	98.0	98.7	99.5	99.3	97.7	99.7	99.7	99.7	99.7	99.7
ь£	3001	54.0	88.3	91.3	95.6	97.0	97.3	9R .0	98.7	99.0	97.3	99.7	99.7	99.7	99.7	99.7	99.7
ьE	2001	54.0	88.3	91.3	95.6	97.0	97.3	98.0	98.7	99.[	99.3	99.7	99.7	99.7	99.7	99.7	99.7
ĿΕ	1 ca i	54.C	2 8 • 6	91.6	96 • O	97.3	97.7	98.3	99•C	99.3	99.7	107.0	100.0	130.0	103.0	100.0	100.0
٤٠.	•	54.0	A A	91.6	96.C	97.3	97.7	98.3	99.0	99.3		107.5					10.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

		-																
STA	TION NU	UMBER:	225500	SIATI	ON NAME:	ARKE	IANGELSK	USSR					OF REC					
												MONTH			(LSTI:			
		• • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • • •						• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •	•
	LING									IN STATE								
1		GE	GE.	GE	GE	GE	GE	GE	ÚĘ.	GE	5E .	GE 374	GE	GE	GE	GE	30	
		17	ŧ	5	4		2 1,2	-	1 1/2		1		5/8	1/2	5/16	1/4	٥	
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •			• • • • • • •				•••••	•
MC	CEIL I	21. 0	30.6	31.3	31.3	31.3	31.3	31.3	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	
.,,		24.7	2000	3110	34.3	3	31.5	3	3	31.0	3	3	3		,1.0	31.0	,	
6E	100555	30.3	39.7	40.4	41.1	41.1	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	
	180601		39.7	40.4	41.1	41.1	41.1	41.1	91.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	
	160001		39.7	43.4	41.1	41.1	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	
GĒ	140001	30.3	35.7	40.4	41.1	41.1	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	
	120001		35.7	40.4	41.1	41.1	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	
		•	•													-		
GE	130001	46.8	64.3	65.7	66.7	67.3	67.7	67.7	68.C	68.4	68.4	69.4	68.7	68.7	68.7	68.7	68.7	
6E	90001	46.8	64.3	65.7	66 • 7	67.3	67.7	67.7	68.C	68.4	68.4	64.4	68.7	68.7	68.7	68.7	68.7	
GΕ	10008	46.8	64.3	65.7	66 • 7	67.3	67.7	67.7	68.C	68.4	68.4	60.4	68.7	68.7	68.7	68.7	68.7	
GE	70001	46.8	64.3	65.7	66 • 7	67.3	67.7	67.7	68.C	68.4	68.4	69.4	68.7	68.7	68.7	68.7	68.7	
GE	60001	46. ë	64.3	65.7	66 . 7	67.3	67.7	67.7	68.C	68.4	68.4	6 2 . 4	58.7	68.7	68.7	68.7	68.7	
GE	5r pal		64.6	66.0	67.0	67.7	6 B • U	68 . U	68.4	68.7	68.7	69.7	69.0	69.0	69.0	69.0	69.3	
CE	4500		65.7	67.ú	68 • J	68.7	69.0	69.3	69.4	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	
(,E	40001		65.7	67.0	68 • G	69.7	69.€	60.0	69.4	69.7	69.7	69.7	70.3	7j.n	73.0	70.0	70.0	
GE	35 CC		66.3	67.7	68.7	69.4	69.7	69.7	70.C	70.4	70.4	77.4	70.7	70.7	70.7	70.7	76.7	
üΕ	31.001	49.8	68.4	69.7	70.7	71.4	71.7	71.7	72.1	72.4	72.4	72.4	72.7	72.7	72.7	72.7	12.1	
	2500	E 7 O	74.7	24 1	77 0	30 6	7	79.8	79.1	79.5	70 -	70 5	30.0	•••	70.0	70.0	70 6	
GE GE	20001		78.5	76 • 1 79 • 8	77.8 81.5	78.5	78.8 82.5	82.5	82.8	83.2	79.5 93.2	7º.5 8 . 7	79.8 83.5	79 • 8 8 3 • 5	79.8	79.8 83.5	79.8 83.5	
GE	18001		91.5	62.8	94 • B	85.5	85.9	85.9	86.2	86.5	P6.5	86.5	86.9	86.9	83.5 86.9	86.9	86.9	
6E	15001		84.8	86.2	86.6	89.2	89.6	89.6	90.2	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	
GE.	12001		88.9	90.6	92.9	93.6	93.9	93.9	94.6	94.9	94.9	94.9	95.3	95.3	95.3	95.3	95.3	
UE	44 331	C. • 3	C C • 7	7 0	92.9	73.6	43.4	75.7	74.6	94.9	74.7	94.4	42.3	73.3	73.3	77.3	73.3	
6E	10001	60.3	85.9	91.9	94.6	95.3	95.6	95.6	96.3	96.6	96.6	96.6	97.3	97.3	97.3	97.3	97.3	
GE	9001		30.5	92.3	94.9	95.6	96.0	96.0	97.C	97.3	97.3	97.3	98.0	98.3	98.3	98.3	98.5	
GE	8 0 3 1		₹	92.3	95.3	96.0	96.3	96.3	97.3	97.6	97.6	97.6	98.3	98.7	98.7	98.7	98.7	
GΕ	7 3 3 1	60.6	· C · 6	92.6	96 • u	96.6	97.6	97.0	98.C	94.3	98.3	98.3	99.0	99.3	99.3	99.3	99.3	
ĿĘ		6 . 6	96.6	92.6	96.6	97.6	97.3	97.3	98.3	98.7	78.7	90.7	99.3	99.7	99.7	99.7	99.7	
ÜE	ا بان ؟	63.6	96.6	92.6	96 • ù	97.0	97.3	97.3	98.3	98.7	96.7	98.7	99.3	99.7	99.7	99.7	99.7	
GE		66	96.6	92.6	96 • U	97.0	97.3	97.3	98.3	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	
GE	7001	60.6	90.6	92.6	96 . C	97.C	97.3	97.3	98.3	98.7	C8 • 7	99.7	99.3	100.0	100.0	100.0	100.0	
GE	2001	67.6	96.6	92.6	96 • ∪	91.0	97.3	97.3	98.3	98.7	78.7	99.7	99.3	100.0	199.0	100.0	100.0	
ĢΕ	1001	(0.6	91.0	92.6	96 ∗ ti	97.0	97.3	97.3	78.3	98.7	98.7	99.7	99.5	100.7	100.0	100.0	100.0	
		_																
UΕ		60.6	90.6	92.6	36 • O	97.0	97.3	97.3	98.3	98.7	-8.7	99.7	99.3	100.0	100.0	100.0	100.0	

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIPILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF PECORD: 78-87 MONTH: MAY HOURSTESTI: 0900-1100 CE IL ING IN | GE FEET | 10 GE GE GF 4 3 2 1/2 GE GE 5/16 1/4 5/8 1/2 1/4 C 27.9 27.9 27.9 27.9 NO CELL | 44.5 27.€ 27.9 27.9 27.9 GE 180001 30.6 GE 180001 20.6 38.8 38.8 38.9 38.8 39.1 39.1 39.1 39.1 17.8 39.1 38 - 6 39.1 39.1 39.1 39.1 3 = .1 3 E .1 39 . 8 38 . 8 38.8 39.1 39.1 39.1 3°.1 39.1 39.1 39 · 1 39.1 39.1 39.1 39.1 17.8 38 • 8 38.8 36.8 OE 16 CO 30.6 17.P 39.1 38.6 39.8 36.8 38.8 38.8 39.1 37.6 38.8 38.8 38.8 38 . 8 79.1 120801 30.6 36.8 38.8 38.8 38.8 39.1 39.1 39.1 39.1 39.1 67.2 67.2 67.2 67.2 ٥ŧ 100001 44.9 50.2 58.6 59.5 59.9 59.9 59.9 59.9 60.2 60.2 60.2 60.2 60.2 60.2 60.2 97071 44.9 87601 44.9 59 . 5 59.9 59.9 59.9 6ú.2 60.2 67.2 ЬE 58.2 5 R . 0 59.9 60.2 60.2 60.2 60.2 58.6 53.3 59.9 58.2 59 • 5 59.9 59.9 59.9 60.2 60.2 60.2 63.2 60.2 60.2 60.Z GE GE 70001 44.9 50.2 59.5 57.9 59.9 59.9 60.2 60.2 60.2 60.2 60.2 69.2 60.2 60001 44.9 60.2 50001 44,9 59.9 59.9 60.7 60.2 60.2 5 9 • 8 5 9 • 5 60.2 60.2 4º031 45.6 40031 45.6 60.2 63.2 60.5 60.5 60.5 60.5 67.9 GE 58.8 6 C • 5 60.5 60.9 60.9 60.9 60.9 60.9 60.9 60.9 ĿΕ 58.8 59.5 60.5 60.9 60.9 60.3 60.9 60.9 67.9 60.9 6 ü • 5 61.5 62.6 35 001 46.3 61.2 61.9 62.2 62.2 62.6 62.6 62.6 62.6 62.6 62.6 G€ 3CCJ 4P.3 62.9 64.0 65 . 3 65.6 65.6 65.6 65.6 66.0 66.0 65. 65.0 66.0 66.0 66.0 66.D 25001 53.7 74.1 74.1 74.1 ĿΕ 71.1 72.1 73.1 73.8 73.8 73.8 73.A 74.1 74.1 74.1 74.1 74.1 2000 57.1 1800| 58.5 76.5 75.6 77.6 78.6 79.6 82.7 79.6 79.6 62.7 79.9 **60.**3 RO.3 67.3 83.3 8J.3 89.3 93.3 87.3 90.3 GΕ 81.6 82.7 83.0 83.3 93.3 83.3 93.3 υE 15001 61.6 95.[ 86.4 87.4 88.4 88.4 88.8 89.1 89.1 96.3 űŁ 12001 63.3 96.1 95.2 95.2 95.9 96.3 96.3 96.3 26.6 96.6 96.6 (.F 1000 63.9 31.5 93.2 95.6 °6.6 96.9 97.3 97.6 98.0 98.0 98.0 99.0 98.0 98.3 98.3 98.3 94.3 97.3 98.0 9501 63.9 8CC1 67.9 91.5 93.2 97.6 98.3 99.0 90.0 98.3 98.3 95.6 96.9 99.0 98.6 99.0 98.0 98.3 ٥Ē 96.6 99.0 98.6 99.0 99.0 90.0 91.5 93.2 95.6 97.3 97.6 98.6 98.6 99.0 99.0 99.0 98.3 99.C 99.3 91.5 93.2 99.3 99.3 üΕ 7001 63.9 25 . 6 97.6 98.0 98.6 6001 67.9 95.6 97.6 99.0 60.0 99.3 98.0 98.0 5601 63.9 91.5 93.0 95.6 97.6 9A.3 99.0 90.0 99.0 99.0 99.1 99.3 29. 3 98.0 4031 51.9 1001 63.5 GE GE 96.3 99.3 99.7 99.7 49.7 99.7 99.7 99.7 99.7 100.0 100.0 ា1.៦ 9 5 . 5 75.4 98.6 99.7 100.0 99.7 91.8 93.5 95.9 98.0 98.6 100.0 2001 63.9 1631 63.9 91.8 93.5 170.0 r, F 95.5 98.0 98.6 99. 3 99.7 99.7 90.7 99.7 99.7 100.0 100.0 95.9 100.0 99.3 99.0 76.3 98.6 pl 63.9 99.7 99.7 GE 93.5 98.0 98.3 98.6 99.3 99.7 99.7 100.0 100.0 100.0 99.7

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 HONIH: MAY HOURSILSTI: 1200-1400 VISIPILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 65 6**5** 4 1 68 GE GE LE GE Gf GE Gr IN 3 2 1/2 1/4 10 ŧ. 5/4 1/2 5/16 NO CETE 1 27.6 25.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.1 29.1 29.7 29.7 29.7 29.7 29.7 39.C 79.0 39.0 39.0 6€ 200001 35•£ 3°•° 39.0 79.3 39.3 35.0 39.5 39.0 19.0 39.6 39.0 39.0 19.0 39.0 39.3 29.3 19.3 39.3 GE 180001 35.5 GE 160001 35.5 39.3 39.3 39.3 37.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39,3 39.3 39.3 39.3 39.3 39.3 GE 140001 35.5 39.3 39.3 39.3 39.3 39.3 10.1 19.1 30. 39.3 39.3 19.1 UE 120,01 35.5 39.3 39.3 39.3 39.3 39.3 39.3 57.2 57.2 57.6 57.9 57.9 57.9 57.5 F7.9 57.9 57.9 GE 100001 47.6 57.9 90601 47.6 80001 47.6 70001 47.6 6E 51.2 51.2 57.2 57.2 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.y 57.9 57.6 51.4 57.9 57.9 57.9 57.9 57.9 57.6 57.2 57.9 57.9 57.9 57.9 57.9 57.9 GE 60001 47.6 57.2 57.6 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 6E 50001 47.9 57.6 57.9 58.3 58.3 c 8 . 6 50.6 57.6 58.3 58.6 58.6 58.6 58.6 E8.6 58.6 58.6 50.9 45001 48.3 40001 51.4 57.9 59.9 59.0 59.0 59.0 58.3 62.1 59.6 58.6 5 R . 6 59.0 59.€ 59 • C 59.0 61.7 6E 61.7 62.4 62.4 62.4 62.8 62.8 62.8 62.5 62.8 62.8 62.8 35 001 51.7 62.8 63.1 62.4 62.8 62.8 63.1 63.1 63.1 63.1 63.1 63.1 ÚΕ 63.1 30 no. 1 53.8 65.2 25001 61.7 74.8 P1.4 75.5 75.5 75.9 75.9 75.9 6 F 74.8 75.2 75.5 75.9 75.9 75.9 75.9 75.9 GF. 20001 66.9 82.9 81.4 92.1 82.4 82.4 82.4 82.8 87.8 A2.8 82.6 82.8 92.8 82.8 P 2 . 8 18001 67.9 82.1 83.1 83.0 84.1 94.1 84 - 1 84.5 84.5 A4.5 84.5 94.5 84.5 84.5 95.5 86.6 94.8 87.6 95.9 87.9 96.2 87.9 ЬE 15601 65.3 85.5 96.2 86 . t 86.6 97.2 87.2 87.9 87.9 87.9 67.9 12001 73.4 92.8 95.5 96.2 96.2 95.5 96.2 96.2 96.2 98.5 SE 10001 74.1 94.5 95.4 96.2 96.6 96.6 97.2 98.3 9501 74.1 FCC1 74.1 99.0 υŧ 91.8 94.5 95.9 96.2 96.6 96 • 6 97.2 91.9 98.3 99.7 99.3 99.3 99.3 99.3 99.3 71.8 94.5 97.9 99.1 99.3 95.9 96.2 96.6 97.2 99.3 99.3 96 .6 98.3 99.0 99.7 1001 96.9 90. 99.7 96.2 υľ 94.1 94.8 96.6 96.9 97.2 97.2 97.9 98.6 99.0 99.7 99.7 100.0 100.0 100.0 100.0 5001 74.5 94.8 GE 34.1 96.6 96.9 97. 97.2 97.2 97.9 97.9 98.4 99.0 99.7 99.7 103-0 100.0 100.0 100.0 4631 74.5 3001 74.5 74.1 94.8 96.9 97.2 96.6 99.7 100.0 100.0 100.0 ωE 98.6 99.0 99.7 100.0 υE 74.1 94.6 96.6 96.9 97.2 97.2 97.4 98.6 99.0 99.7 99.7 100.0 100.0 100.0 100.0 1001 74.5 94.0 94.8 99.7 100.0 34.1 96. . 6 96.9 97.2 97.2 97.9 94.6 99.0 99.7 100.0 100.0 100.0 99.7 100.0 100.0 36.6 GΕ SL 74.5 24.1 94.8 96.0 96.9 91.2 97.2 97.9 99.0 99.7 99.7 100.0 100.0 100.0 100.0 98.5 ...........

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY $\theta_B S_E RVATIONS$

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR									PERIOD OF RECORD: 78-67 Month: May Hours(LST): 15j0-17CC								
	CEILING VISIBILITY IN STATUTE MILES																
FE	N I		CF.	G E 5	GE 4		GE 2 1/2		GE 1 1/2		GE 1	GΕ ₹/4	G F 5 / 9	GE 1/2	GF 5/16	GE 1/4	GE ű
	CEIL }		*C•1	37.1	3C - 1	30,1	3 C • 1	3C • 1	30.1	30.1	30 • 1	3n•1	3 g • 1	30.1	30+1	30+1	36-1
6£	200001	36.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.0	41.9	41.9	41.9	41.9	41.9
ĿΕ	180001	36.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.0	41.7	41.9	41.9	41.9	41.9
GE	167031	26.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
٤E	140001	36.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.7	41.9	41.9	41.9
Ģ€	120001	36.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.0	41.9	41.9	41.9	41.9	41.9
5.5	107 001	51.0	61.9	62.3	62.6	63.0	63.C	63.0	63.0	63.0	63.0	67.0	67.0	63.0	63.0	63.0	63.0
υŁ	90001		61.9	62.3	62.6	63.0	63.C	63.0	63.C	63.6	63.0	6 . 0	13.0	63.5	63.0	65.0	63.0
G.E.	80031		51.7	62.3	62.6	63.0	63.0	63.0	63.C	63.C	63.0	6 T . D	63.0	63.0	63.0	63.0	63.0
GE	70001		61.9	62.3	62.6	63.0	63.0	63.0	63.0	63.0	63.0	67.n	63.0	63.2	53.0	63.C	€3.0
GE		51.9:	61.9	62.3	62.0	63.L	63.0	63.0	63.C	63.0	63.0	67.0	63.0	63.7	63.0	e 3 • D	63.0
GE	50001	.2.7	62.3	62.6	63.0	63.3	63.3	67.3	63.3	63.3	63.3	67.3	63.3	63.3	63.3	62.3	63.3
GE.	45 001		52.6	63.6	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
űΕ	4 1601		06.4	66.6	67.1	£ 7 .5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE	35 00 1		68.9	69.2	69.6	69.9	69.9	69.9	69.9	69.9	69.9	60.3	69.0	69.9	69.9	69.9	69.9
ωĒ	30001		72.3	72.7	73.4	73.7	73.7	73.7	73.7	13.1	73.7	77.7	73.7	73.7	73.7	73.7	73.7
G.E	25,021	69. 7	3 C • 6	81.0	82 • U	82.4	92.4	82.4	82.4	82.4	F2.4	87.4	92.4	82.4	P2.4	62.4	R 2 . 4
üΕ	20001		45.5	85.8	86.9	87.5	67.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	97.5	87.5	87.5
GΕ	18.01		96.9	87.2	88	88.9	88.9	88.9	88.9	86.9	88.9	8 . 9	89.9	88.9	88.9	68.9	88.9
ù.F	14 001		45.3	9.7 •	91.3	92.5	94.0	92.0	92.C	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE	12001		34.1	95.2	96.5	97.2	97.9	97.9	97.9	97.9	97.9	90.3	98.3	99.3	7 B • 3	98.3	96.3
υE	10001	75.4	94.5	45.5	96.9	97.9	98.6	98.6	98.6	98.6	98.6	99.0	99.0	99.3	99.0	99.0	99.0
ÜΕ	9671	75.4	94.8	95.8	97.2	98.3	99.0	99.0	99.0	99.0	99.C	90.3	99.3	99.3	28.3	99.3	99.3
υŁ	F 00 1	75.4	34.6	95.8	97.4	98.3	99.0	99.0	99.0	99.0	94.3	90.7	99.7	99.7	99.7	99.7	99.7
G.E		75.4	94.8	95.8	97.2	98.3	99.0	99.0	99.0	99.0	09.3	100.0	100.0	100.0	120.0	100.0	100.6
€	+ [ ]	75.4	7 4 · F	95.8	97.2	98.3	99.0	99.0	69.C	49.0	9.3	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	5 ( 21	75.4	94.8	95.8	97.2	98.3	99.6	99.0	99.0	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.C
υE		75.4	94.8	95.E	97.2	94.3	99.0	99.0	99.C	99.[	99.3	100.0	100.6	100.0	100.0	100.0	100.0
6E		75.4	94.0	95.8	97.2	98.3	99.0	99.0	99.0	99.0	99.3	10r.c	100.0	100.0	100.0	100.0	100.0
GE		75.4	34.8	95.5	97.2	98.3	99.0	99.0	99.C	99.5	99.3	100.0	100.0	100.0	100.0	160.0	100.0
6€		75.4	94.8	95.8	97.2	98.3	94.C	99.0	99.C	99.0	.09.3	100.0	107.0	100.0	100.0	100.0	100.0
υĒ	:1	75.4	74.6	95.6	97.2	99.3	99.6	99.0	99.0	99.0	99.3	100.0	100.0				100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PES100 OF PICOPD: 78-87 MONTH: MAY FOURS (LST): 1800-2060 CEILING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 IN 1 GE CE FEET | 10 6 GE GE 4 1/4 Û 36.7 36.7 36 • 7 36.7 36 • 7 36.7 NO CEIL | 3".1 36 . 7 36.7 36.7 36.7 36.7 16.7 36 . 7 DE 29F001 37.1 46.2 46.2 46.2 46.7 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 6E 18000| 37-1 6E 16000| 77-1 6E 14000| 37-1 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2 45.8 46.2 46.2 46.2 46.2 46.2 46.2 46.2 45.8 45.8 46.2 GE 120001 37.1 46 ... 46.2 46.2 46.2 46.2 46.2 46.2 67.1 67.1 SE 100001 53.8 66.1 66.4 66.8 66.8 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 9000| 53.8 8700| 53.8 700| 53.8 66.1 66.4 66 . 8 66.8 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 6 E . 1 66.4 66.6 67.1 67.1 66 . 5 67.1 67.1 67.1 66.1 66.4 66 . 0 66.8 67.1 67.1 67.1 67.1 67.1 67.1 67.1 υ€ 6 t . 1 bb .4 66.6 66.6 67.1 67.1 67.1 61.1 6F 50001 54.5 67.1 67.5 67.5 67.8 67.8 67.8 67.8 67.8 67.0 67.8 67.8 67.8 67.8 66.8 67.8 45 COT 54.5 68.2 69.2 69.6 68.2 68.2 68.2 67.5 67.8 68.2 63.2 68.2 67.5 68.2 68.2 68.2 68.5 69.6 72.0 69.6 72.3 GΕ 69.2 69.6 69.6 69.6 35 001 57.7 30 001 40-1 GE 74.5 75.2 75.2 75.2 2° 601 64.7 81.5 81.8 81.8 9.19 81.0 81.8 81.8 91.8 81.8 i, E F [ . 6 81.1 81.5 81.8 81.8 81.8 20001 65.7 94.6 84.6 84.6 υŧ 92.9 54.3 87.4 84.6 84.6 94.6 63.6 84.3 P4.6 84.6 94.6 84.6 64.6 GE 18.01 66.8 15001 60.9 85.7 86.4 87.1 87.8 87.8 90.9 87.8 90.9 87.9 97.8 87.8 87.8 97.8 87.8 87.8 87.8 90.6 88.5 91.9 90.9 90.9 96.9 GE GE 96.9 97.9 90.9 12001 70.6 94.1 94. 97.6 97.6 1000 71.0 9001 71.3 97.6 97.6 GE 94.1 97.2 97.2 97.2 97.6 97.6 97.6 97.6 95.1 95.1 95.5 97.6 97.6 98.3 97.6 97.6 98.3 97.9 96.5 76.5 97.2 97.2 97.6 97.6 97.9 97.9 97.9 : F 94.4 97.9 97.9 8 201 71 - 3 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 υE 7601 71.3 74.F 96.9 97.6 97.9 98.6 98.6 9P.6 98.6 98.6 98.6 96 . 9 **ع**را 1201 71.3 95.1 95.8 41.2 99.0 99.3 99.3 99.3 99.5 99.3 99.3 99.3 99.3 97.9 98.6 98.3 4 LOT 71.3 3001 71.3 95.5 96.2 97.6 98.3 98.3 98.6 99.0 99.3 99.3 99.3 99.7 99.7 99.7 90.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 υŧ 97.6 2001 71.3 95.5 99.3 99.7 99.7 99.7 99.7 99.7 1101 71.7 100.0 101.0 6E 96.5 97.9 99.0 1u0 • C 100.0 100.0 100.0 100.0 21 71.7 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ÚΕ 96.5 97.4 4.89 99.4 99.3

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CTILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

						ARKHANGELSK USSR						MONTH	: MAY	DRD: 78-87 Hours(LST): 2100-2300			
CEILING VISIRILITY IN STATUTE MILES														• • • • • • • • • • •			
		GE	33	GE	G E	GΕ	6.F	GE	GE	GE	GE	ES GE	GE	GE	6E	GE	υE
	ET I		<b>.</b> 6	5	4		2 1/2		1 1/2		1	7/4	5/8	1/2	5/16	1/4	0
	•											•					
NO	CFIF !	.7.6	26.5	37.2	37.6	37.8	37.8	37.9	37.8	37.8	77.8	37.5	37.8	37.8	77.8	37.8	37.8
(. <b>r</b>	200001	≀u o	43.4	44.4	45 • 1	45.4	45.4	45.4	45.4	45.4	45.4	4 . 4	45.4	45.4	45.4	45.4	45.4
	180501		43.4	44.4	45.1	45.4	45.4	45.4	45.4	45.4	45.4	4 ( 4	45.4	45.4	45.4	45.4	45.4
	160001		43.4	44.4	45 • 1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
	140001		43.4	44.4	45.1	45.4	45.4	45.4	45.4	45.4	45.4	4".4	45.4	45.4	45.4	45.4	45.4
	120001		43.4	44.4	45.1	45.4	45.4	45.4	45.4	45.4	45.4	4 - 4	45.4	45.4	45.4	45.4	45.4
UL	12:031	37.7	4 23 4	77.7	43.1	7,,7	43.4	45.4	4314	73.7	43.4	•	7,1,7	4364	- 3 6 4	7,,,	73.7
۱۲	100001	42.3	01.1	65.6	67.4	67.8	67.6	69.1	63.1	68.1	68.1	6 P • 1	68.1	68.1	68.4	69.4	68.4
υĖ	90001		65.1	66.0	67.4	67.8	67.8	69.1	68.1	68.1	68.1	69.1	(8.1	68.1	68.4	68.4	66.4
υE	8000		55.1	66.9	67.4	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	69.4	68.4
G.E.	70001		65.1	66.8	67.4	67.8	67.8	68.1	68.1	68 • 1	68.1	6R . 1	68.1	68.1	f 8 . 4	69.4	68.4
ÚΕ	61001		65.1	66.8	67.4	67.8	67.8	68.1	68.1	68.1	68.1	60.1	68.1	68.1	68.4	68.4	68.4
								• • •	0								
üΕ	50001	49.7	65.5	67.1	67.8	68.1	66.1	68.4	68.4	68.4	68.4	6 P . 4	68.4	6R.4	68.8	68.8	68.8
υE	45 601	50.3	56.4	68.1	68 • 8	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7	69.7	69.7
GΕ	42001	51.6	68,4	70.1	76 • 7	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.7	71.7	71.7
Gέ	35001	57.0	70.1	71.7	72 • 4	72.7	72.7	73.0	73.C	73.C	73.0	7 7 . 0	73.0	73.0	73.4	73.4	73.4
GΕ	10001	54.6	71.7	73.4	74.0	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74 . 7	75.0	75.0	75.5
Ų₹	2,001	57.2	77.G	79.6	79.3	79.6	79.6	79.9	79.9	79.9	79.9	77.0	79.9	79.9	P3.3	80.3	8 O + 3
C.F	50001	50.0	3 € • 3	e 2 • 2	82 + 9	83.2	83.2	63.6	83.6	83.6	P3.6	87.6	83.6	83.6	A3.9	83.9	£ 3.9
6F	18 00	60.2	32.6	84.5	85.9	86.2	86.2	86 .5	86.5	86.5	R6.5	86.5	P6.5	86.5	96.8	86.8	86.8
υ€	15.01	61.2	96.2	89.5	90 • 1	90.5	96.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.4	91.4	91.4
ÜΕ	12001	62.5	91.1	93.4	96 • 1	96.4	96.4	97.0	97.0	97.0	97.0	97.0	97.0	91.0	97.4	97.4	97.4
				56.1											00 -		
SE	10001		9.16	94.1	96 • 7	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.J	98.0	46.0
G E		63.5	25.1	94.4	97 • u	97.4	97.4	98.0	98.C	98 • €	98.0	90.0	98.0	0.89	98.4	98.4	98.4
ŀξ		63.5	35.1	94.4	97.0	97.4	97.4	99.0	98.C	98 • C	98.0	98.•€	9 A + C	98 • D	98.4	98.4	98.4
t, E		63.5	92.1	94.4	97.0	97.4	97.4	98.0	98.4	98.4	9.90	92.4	98.4	98.4	98.7	98.7	98.7
G <b>E</b>	6001	e 3 • 5	72.1	94.4	97.4	97.7	97.7	98.4	98.7	98.7	98.7	9P.7	98.7	98.7	99.0	99.0	99.3
6 E	5 ( 2 )	67.5	92.1	94.4	97.4	97.7	97.7	98.4	99.6	99.0	95.5	92.0	٥٩.١	99.0	99.3	99.3	99.7
6E		63.5	72.1	94.7	97.7	99.0	36.0	98.7	99.3	99.3	99.3	99.3	99.3	97.3	99.7	99.7	166.0
GE		61.5	72.1	94.7	97.7	98.0	96.6	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	100.0
is E		(3.5	92.1	94.7	97.7	98.0	98.0	99.7	99.3	99.3	99.3	90.3	99.3	99.3	99.7	99.7	100.0
⊎E		£3.5	32.1	94.7	97.7	98.0	98.0	98.7	99.3	99.3	99.3	90.3	99.3	99.3	99.7	99.7	100.0
υt	1631	, ,,,	- 2 • 1	7 7 6 1	7101	70.0	78.0	76.7	77.3	77.3	77.3	7	77.3	77.3	44.1	7741	10010
υĒ	31	63.5	9ē.1	94.7	97.7	98.C	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	100.0

### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 2255CO STATION NAME: ARKHANGELSK USSR PERIOD OF RECURD: 78-87 HOURSILSTI: VISIBILITY IN STATUTE MILES CE IL ING 1 GE G E 5 ĠĘ. GF GE 6E 7/4 GF IN 1 GE FEET 1 in 3 2 1/2 5/8 1/2 1/4 - 6 5/16 0 NO CEIL 1 26.3 32.9 33.3 33.4 33.4 33.4 33.4 33.4 33.4 33.5 33.5 33.5 6E 200001 32.5 41.L 42.2 42.2 42.3 42.3 42.3 42.3 42.3 42.3 42.3 42.3 41.5 42.C 42.2 42.2 42.3 42.3 42.3 42.4 42.4 42.4 GE 16000| 32.5 GE 16000| 32.5 41.0 41.6 42.1 42.2 42.2 42.2 42.3 42.4 42.4 42.4 42.4 42.4 42.2 140061 41.0 41.6 42 - 1 42.2 47.2 42.2 42.2 42.3 42.4 42.4 42.4 42.4 6E 120001 32.5 42.4 42.4 41.0 41.6 42.1 42.2 42.2 42.2 42.2 42.3 42.3 42.4 42.4 ۲u . د 64.9 65.0 GE 100001 47.1 62.3 65.0 63.3 64.5 64.6 64.6 64. 7 64 . H 64.5 64.9 64.9 65.0 9000| 47.1 8040| 47.1 7000| 47.1 62.3 64.5 64.3 63.3 64.0 64.6 64.7 64.8 64.8 64.9 64.9 64.6 65.0 65.0 65.0 GE GE 64.j 64.9 64.9 64.6 64.6 65.0 65.0 65.0 64 . u 64.5 64.6 64.6 64.7 64.8 64.8 úξ 62.3 63.3 65.J 65.0 65.0 63.3 GE 60001 47.1 64.5 64.6 64.6 64.7 64.8 64.8 64.9 64.9 64.9 65.0 5-001 47.5 4-101 45.1 65.0 62.7 63.1 64.4 64.9 65.2 65.3 65.4 45.4 65.4 65.4 65.4 53.5 65.7 65.8 66.C 67.9 66.0 67.8 66.1 66.2 67.9 υE 64.5 65.2 65.7 66.€ 66.2 66.2 66.2 66.2 4000 49.4 35001 50.4 65.2 66.3 67.U 67.4 67.5 67.5 67.7 67.2 69.3 5E 66.6 67.6 68.3 68.8 68.8 69.9 69.1 69.1 69.1 69.3 69.3 69.3 69.3 71.5 71.6 GE GE 25601 56.9 75.7 76.5 77.6 79.2 78.3 78 .4 78.6 78.6 78.8 78.9 78.8 79.8 P2.1 85.3 2000| 59.2 1800| 60.2 81.1 83.5 82.3 84.7 82.9 85.4 83.6 85.5 83.1 83.3 85.8 83.4 83.4 85.9 81.5 86.0 93.5 86.1 83.5 86.1 93.6 86.1 83.6 83.6 86.1 86.1 6.5 15001 61.9 86.9 88.4 87.2 89.3 89.5 89.8 89.8 99.9 90.0 911.1 90.1 90.1 90.1 96.1 96.4 12001 63. 95.3 90.5 94.5 96.2 96.4 96.5 96.5 96.5 υE 92.3 95.5 96 . C 96.2 96.4 97.6 98.7 98.3 6F 10001 64.2 91.3 93.2 75.5 96.4 96.7 96.9 97.2 97.4 97.4 97.7 97.7 97.8 97.8 97.8 9001 64.3 9001 64.3 93.5 97.0 97.2 98.1 98.4 98.2 98.5 98.3 98.3 91.6 75.8 96.7 98.3 96.9 97.4 €E 95.9 97.2 97.7 98.0 98.1 98.6 96.6 7:01 64.4 93.0 97.8 99.7 91.8 56.3 97.6 98.5 98 • 6 99.0 υE 98.2 6 F € C3 | 64.4 91.8 93.3 96.3 97.4 97.7 98.3 98.6 9.8 99.7 99.1 99.7 99.3 99.3 99.3 1001 64.4 4001 64.4 3001 64.4 99.4 99.6 1.F 91.9 93.5 96.5 97.5 97.8 98.1 98.6 98.9 99.0 99.2 99. 1 99.5 99.5 99.2 97.5 92.0 92.0 99.7 94.1 96 • 7 96 • 7 97.7 98.0 98.0 99.1 99.6 99.7 6E 99.3 98. 9 99.7 99.8 99.3 99.1 99.6 99.8 26-1 54.4 96.0 98.1 98.3 98.4 99.1 94.1 96. . 7 97.7 98.9 99.2 99.5 99.6 99.7 99.8 99.8 99.4 93.6 100.0 01 64.5 97.6 99.7 99.8 92.1 94.2 98.1 98.4 98.9 99.2 99.3 49.6 99.9 99.9 100.0 76 . 8

CEOBAL CLIMATUROGY BRANCH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PER10D OF FECORD: 78-87 MONTH: JUN HOURS (LST): 0000-0200 EILING VISIBILITY IN STATUTE HILES 0111130 GE GF 3 2 1/2 IN I FEET I 66 GE GE 2 1 1/4 GE GE 1/2 3/4 5/= 1/16 1/4 C NO CETE 1 23.9 35.5 35.5 35.5 35.5 35.5 35.5 ξ5.S 35.5 35.5 35.5 35.5 42.5 42.5 6E 730601 34.5 42.2 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.9 GE 160001 34.5 42.2 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.9 144.001 34.5 42.2 42.5 42.5 42.5 42.5 42.5 42.5 47.5 42.5 42.5 42.5 42.5 42.9 SE 120001 34.0 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42.9 66 138001 47.8 66 7.671 49.8 66 86201 48.8 64.8 64.8 64.5 64.5 64.8 65.2 65.2 65.2 . 4.1 64 . 4 64.F £ 4 . 5 64.8 64.6 64.8 65.2 65.5 €4.1 65.2 65.2 64.8 64.8 65.2 64.8 64.6 64.8 64.8 64.6 65.5 64.1 64.5 64.8 64.8 64.8 64 • 8 64.8 64.8 65.2 65.2 64.8 64.8 64.8 64.8 65.2 65.5 70001 48.8 64.6 64.8 45.2 64.8 65.2 65.5 ٠,E 64.8 64.9 60001 44.8 64.9 65.2 55.01 40.1 SE 65.5 65.5 65.5 65.5 65.5 65.5 45.5 6 . . 65.5 65.7 65.9 65.9 4 . 001 40.9 66.2 68.3 66.6 68.6 70.0 65.4 67.6 66.6 68.6 6 t • 6 66.6 68.6 66.6 υE 66 . 6 66.6 66.5 66.0 66.9 66.9 66.9 67.2 40001 51.2 68.6 68.6 6F.6 68.6 69.0 69.0 69.0 i.F 35001 51.6 35001 52.3 16. 69.7 70.6 7 C • G 73.3 70.0 70.3 71.4 70.0 70.4 70.4 70.4 70.7 υE 25 471 53.7 14. υĘ 75.6 15.6 75.6 70.6 75.5 76.7 76.0 76.C 15.0 15.6 75.6 75.6 76.3 75 £31 56.4 18001 59.9 77.7 8 ( • 8 77.4 79.8 A2.9 79.E 83.3 79.6 83.3 79.8 83.3 77.8 79.8 93.3 79.P 87.3 79.8 93.3 87.1 83.6 A3.1 80.1 83.6 οF 79 · 8 8 3 · 3 80.5 84.0 15001 (1.0 94.7 87.1 P 7 . 1 87.5 67.8 98.2 95.8 31.3 94.4 94.8 95.5 25.5 95.5 95.5 96.2 incol eris 92.7 95 . H 96.5 9 6 .5 9 6 .5 97.2 97.2 97.6 97.9 97.2 97.2 97.2 97.6 97.6 97.6 97.4 6. 97.7 9001 A3.8 96.5 9 7 . 9 32.7 94.5 95.8 97.2 97.9 97.9 97.0 91.6 91.9 97.6 97.6 72.7 94.8 97.9 99.3 ₩E. 95.8 96.9 97.6 97.9 G9.3 98.3 98.6 98.6 60.0 98.6 94.6 7601 CT.8 95.1 96.9 97.2 98.3 99.0 99.3 76 . 2 95.1 98.6 υF 6671 63.A 96.9 97.2 97.9 98.3 98.6 90.6 38.5 99.0 99.0 99.0 99.3 5661 63.2 91.1 97.7 98.3 95.1 96.2 96 4 97.9 98.6 98.6 98.6 98.6 28.6 99.0 99.0 99.0 94.3 4601 63.8 3601 63.8 71.0 95.1 95.1 90.6 98.6 99.0 υE 96.2 96.4 97.2 97.9 98.3 94.6 94.6 99.0 99.0 99.3 91.0 94.9 97.2 97.9 98.6 98.6 99.0 99.0 99.0 99.3 96 + 2 2101 / 3.4 91.0 98.6 99.3 GE 95.1 76 . 2 96.9 97.2 97.9 98. 1 98.6 98.6 98.6 99. 1 79.1 99.7 96.2 97.2 98.6 99.6 98.6 100.0 96.9 98.3 98.6 71 A 7. P 99.7 100.0 96.9 97.2 98.3 98.6 08.6 98.6 78 . 6 99.3 99.3 GΕ

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREGUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PER100 OF RECORD: 78-87

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

MONTH: JUN HOURS (EST): 0300-0500 .......... CEILING VISIBILITY IN STATUTE MILES ↓ GE GE GE GE 4 3 2 1/2 GE GE GE GE 2 1 1/2 1 1/4 1 6.5 GE G<sub>E</sub> 1/2 IN i 10 5/8 5/16 1/4 NO CEIL | 30.9 79.2 39.6 39.6 39.9 40.3 40.3 40.3 40.3 4 n . 3 40.3 40.3 4 D . 3 901.3 40.3 40.6 GE 200001 34.7 42.4 44.4 43.8 43.8 44.1 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 GE 18000| 34.7 GE 16000| 34.7 43.4 43.8 44.4 44.4 44.4 44.4 44.4 43.8 43.8 44.1 44.4 44.4 44.4 44.4 44.8 44.1 44.8 43.4 44.4 43.8 44.4 44.4 44.4 44.4 44.4 43.6 44.1 44.4 44.4 44.4 44.8 GE 120001 34.7 GE 100001 51.4 69.1 68.8 69.8 70.5 76.8 70.8 70.8 71.2 71.2 71.2 71.2 71.2 900 | 51.4 8000| 51.4 7000| 51.4 71.2 71.2 70.8 70.8 70.8 70.8 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 GΕ 68.8 69.1 69.8 70.5 70.8 71.9 71.2 69.1 70.8 69.8 70.5 71.2 71.9 ٥E 68.8 69.1 69.8 70.5 76.8 70.8 70.8 71.2 71.2 71.2 71.2 71.2 71.2 71.2 70.8 70.8 71.2 71.2 71.2 71.2 5000| 51.4 4507| 51.4 4700| 52.4 GΕ 69.1 6 8 · £ 69.8 79.5 73.8 79.8 70.8 71.2 71.2 71.2 71.2 71.2 71.2 71.9 71.2 68.5 70.5 69.4 70 • 1 71 • 9 71.2 72.9 71.5 73.3 71.5 73.3 G.E 70.8 71.2 71.5 73.3 71.5 71.5 73.3 71.5 73.3 71.2 71.5 73.3 72.2 74.0 72.6 72.9 72.9 ĿΕ 35 001 53.5 72.9 75.C 75.0 75.0 75.D 30001 53.8 72.9 73.6 74.3 75.0 75.7 76.0 25001 56.6 20001 57.0 18001 59.7 81.3 85.1 87.2 υE 77.8 78.5 79.9 81.3 81.3 79.2 80.9 80.9 80.9 81.3 81.3 <sup>8</sup>1.3 61.3 81.9 81.6 83.3 GE 82.3 84.7 84.7 85.1 83.0 83.7 85.1 85.1 85.1 85.1 85.8 GE 85.1 85.8 86.8 86 · 8 89 · 6 86.8 87.2 87.2 87.2 87.2 87.2 87.2 15001 61.5 80.9 95.8 86.5 87.8 88.5 89.6 89.9 89.9 89.9 89.9 89.9 89.9 90.6 1200| 63.5 89.2 89.9 92.7 93.4 95.1 95.8 95.8 94.4 94.4 94.4 GE 10001 63.5 89.2 89.2 90.6 93.4 93.4 96.2 96.5 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GΕ 9001 63.5 96.2 96.2 96.5 96.5 96.5 97.2 97.2 97.2 97.2 97.9 GΕ 8031 63.5 95.2 90.6 93.4 97.2 97.2 97.6 97.6 97.6 97.6 7001 63.9 98.3 98.3 85.9 91.3 94.1 95.1 96.9 97.2 97.9 97.9 98.3 00.0 6001 63.9 98.3 98.3 98.3 GE. 5601 63.9 89.9 91.7 94.4 97.6 98.3 99.3 95.5 97.2 97.6 98.3 98.6 98.6 98.6 98.6 99.3 4001 63.9 85.9 85.9 91.7 91.7 94.4 95.5 95.5 97.2 97.2 97.6 97.6 97.6 97.6 98 · 3 98.3 98.3 98.7 98.3 98.6 98.6 98.6 98.6 99.3 6 E 98.6 98.6 98.6 98.6 2001 63.9 1071 63.9 89.9 99.9 94.4 97.6 91.7 97.2 98.3 48.3 98.6 99.0 91.7 94.4 95.5 97.2 97.6 97.6 98.3 98.3 9R.3 98.6 99.3 99.0 99.0 100.0 91.7 94.4 95.5 97.2 99.3 97.6 97. . 98.3 98.3 98.6 99.0 99.0 99.0 100.0

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

PEPIOD OF RECORD: 78-87 STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR MUNTH: JUN HOURS(LST): 0600-0800 VISIRILITY IN STATUTE MILES CEILING GE GF 6 IN | GE FEET | 10 GE 5 GE 4 GE GE GE G E GE Γ E GE O 3 2 1/2 2 1 1/2 1 1/4 1 1/2 5/16 7/4 5/8 1/4 NO CEIL | 31.6 37.5 37.5 38.; 38.5 38.5 38.8 38.5 38.8 38.8 GE 200001 34.7 42.6 43.0 43.0 43.3 43.3 43.3 43.3 43.3 43.3 JE 180001 34.7 41.6 41.6 42.3 42.6 43.C 43.3 43.3 43.3 43.3 43.3 43.0 GE 160001 34.7 42.6 43.0 41.6 41.6 42.3 43.3 43.3 43.3 43.3 43.3 43.3 GE 140001 34.7 GE 120001 34.7 41.6 43.0 41.6 42.6 43.3 42.3 43.C 43.0 43.3 43.3 43.3 43.3 43.3 43.3 43.3 43.3 100001 50.2 6 E . 7 66.3 68.0 68.4 69.1 69.4 69.4 69.4 69.4 69.6 66.3 62.4 69.4 69.8 69.8 9000| 50.2 8000| 50.2 7000| 50.2 68.G 69.4 69.4 60.4 66.3 66.3 68.4 68.7 69.1 69.4 69.4 69.4 69.8 69.8 69.8 69.4 GE 66.3 66.3 68.0 68.4 68.7 69.1 69.4 69.4 69.4 69.8 69.8 69.8 69.4 69.4 69.4 69.4 69.8 66.7 69.1 69.4 69.8 06.3 68.3 69.4 69.8 GΕ 60001 50.2 66.3 68.0 68.4 68.7 69.8 69.4 69.8 6F 50001 50.2 66.3 66.3 68 . C 69.4 68.7 69.1 69.4 69.4 69.4 69.4 69.4 69.8 69.8 69.8 45001 50.2 68.7 69.8 70.8 GE 66.7 69.1 69.4 69.8 69.8 69.8 69.8 70.8 70.1 70.1 66.7 68 . 4 70.1 4000| 51.2 3500| 52.2 GE 67.7 67.7 69 . 4 69.8 70.1 70.4 70.8 70.8 70.8 70.8 71.1 71.1 GE 66.7 69.1 70.8 71.1 71.5 71.8 72.2 73.2 72.2 72.2 72.2 72.2 72.2 72.5 72.5 72.5 30001 53.3 GE 73.2 73.2 73.2 73.2 25001 56.4 75.3 77 • 3 77.7 78.7 79.0 GF 2001 58.1 18001 60.1 77.5 78.7 81.8 80.8 83.8 81.1 81.4 84.9 81.8 85.2 82.1 85.6 82.1 92.1 82.1 85.6 82.1 85.6 82.1 85.6 82.5 85.9 82.5 85.9 82.5 85.9 80.1 GE 85.6 84.5 85.6 89.0 93.0 88.7 93.8 GF GE 15001 62.9 85.6 89.7 12001 64.6 99.4 92.8 88.0 94.2 94.8 94.8 94.8 94.8 94.8 94.8 95.2 95.2 95.2 10031 65.3 ĿΕ A 5.7 97.3 97.3 97.3 97.3 97.3 97.6 97.6 92.1 94.8 96.2 96.6 96.9 97.3 97.6 9001 55.6 8001 65.6 92.4 95 • 2 95 • 9 97.6 97.6 97.6 97.9 G€ ٥٠٦٠ 96.6 96.9 97.6 97.6 97.9 97.9 97.3 97.6 70.4 GF 98.3 98 • 6 98.6 93.6 99.6 98.6 98.6 99.0 99.0 99.0 98.6 95.9 99.0 99.0 98.3 98.6 98.6 98.6 94.6 98.6 GE GE 99.0 6401 65.6 99.3 99.3 96.7 93.1 96 . 2 98.3 99.1 99.0 99.3 5031 65.6 99.3 96.7 96.7 ijΕ 93.1 96.2 97.9 98.3 98.6 99.C 99.0 99.0 99.0 99.0 99.3 99.3 99.3 GE 4001 65.6 93.1 97.9 99.0 99.3 99.3 99.0 99.0 99.0 99.3 96.2 98.3 98 . 6 99.0 99.0 93.1 GE GE 3001 65.6 36.7 96 . 2 97.9 98.3 99.C 99.C 99.0 99.0 99.0 99.3 99.3 99.3 99.G 2001 65.6 96.7 97.9 99.0 99.0 99.0 99.3 76.2 96.3 98 .6 99.0 99.0 99.7 99.7 99.7 1001 65.6 99.0 ЬE 99.0 100.0 160.0 100.0 31 65.6 93.1 99 • G 99.0 99.0 GF 96.7 97.9 100.0 100.0 ..........

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CO STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: JUN HOURS(LST): 0900-1100 ........... CETL TMG 39 CETLING IN | GE FEET | 10 e E -GE GE 3 2 1/2 GE SE GE 1 3/4 اد. 4 6 5 5/R 1/2 5/16 1/4 J NO CEIL 1 28.3 35.2 35+2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 6E 205001 32.4 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 4 L • 3 40.3 40.3 40.3 40.2 GE 187001 32.4 46.3 40.3 40.3 40.3 40.3 49.3 40.3 40.3 40.3 40.3 40.3 40.3 47.3 4 C . 3 160001 32.4 46.3 40.3 40.3 40.3 40.3 40.3 47. 3 40.3 40.3 40.3 40.3 40.3 49.3 4 n. 3 14000| 32.4 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 GE 120001 35.4 40.3 40.3 40.3 63.4 GE 100001 46.2 62.8 63.1 63.1 63.1 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 GE 96001 46.2 62.8 63.1 63.1 63.1 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 80001 46.2 52.0 63.1 63.1 63.1 63.4 63.4 63.4 63.4 63.4 63.4 ЬE 70001 45.2 62.8 63.1 63.1 63.1 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.4 63.1 62.8 63.1 63.4 63.4 63.4 63.4 63.4 45631 46.6 63.1 63.4 63.4 63.4 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 GE 40001 48.6 65.2 65.5 65.5 65.5 65.9 65.9 65.9 65.9 65.9 65.9 35 col 50.3 30 col 51.7 67.9 67.9 67.6 70.3 67.9 GE 70.7 70.3 70.3 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 GE. 25 001 57.9 77.9 79.3 78.3 78.3 78.6 78.6 78.6 78.6 78.6 79.6 78.6 78.6 78.6 78.6 78 . 6 84.1 GE 20001 61.7 83.1 83.4 83.4 83.4 83.8 83.8 83.8 83.8 84.1 84.1 84.1 84.1 84.1 84.1 18001 62.4 15001 65.2 GE A4.5 84.8 85.5 85.5 85.9 85.9 85.9 85.9 86.2 86.2 86.2 86.2 86.2 86.2 97.9 GE 88.3 90.0 89.3 89.3 89.7 89.7 89.7 89.7 90.0 90.0 90.0 90.0 90.0 90.0 GE 12001 66.2 92.8 ٥E 10001 66.6 94.5 96.6 97.2 97.6 97.6 98.3 90.6 99.G 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.3 9001 66.6 8001 66.6 93.8 92.8 94.5 97.6 97.6 99.3 99.3 99.3 99.3 99.3 GE 96.6 97.9 97.9 98.6 99.3 99.3 94.5 96 . 6 97.9 97.9 98.6 99 . C 99.3 99.3 99.3 99.3 GE 7001 66.6 94.1 94.8 96.9 97.2 98.3 98.6 98.3 98.6 99.C 99.3 99.7 99.7 99.7 99.7 99.7 99.7 99.7 6.01 66.6 GΕ 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 6€ 5001 56.6 98.3 98.6 98.6 99.3 100.D 100.0 100.C 100.0 106.0 95.2 95.2 95.2 4001 66.6 3001 66.6 94.5 97.2 98.3 99.7 100.0 100.0 100.0 100.0 100.0 100.0 98.6 98.6 99.3 100.0 GE 97.2 99.3 99.7 102.0 98.3 98.6 98.6 100.0 100.0 130.0 100.0 100.0 100.0 100.0 100.0 100.0 98.6 100.0 100.0 99.1 99.3 100.0 GE 1001 66.6 95.2 97.2 98.3 98 .6 100.0 100.0 103.0 100.0 100.0 100.0 GE 01 66.6 24.5 95.2 97.2 99.3 98.6 98.6 99.3 99.7 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS: 290

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIRILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: JUN HOURS(LST): 1200-1400 VISIBILITY IN STATUTE MILES CF IL ING IN I GE CE FEET | 10 6 GE GE -3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE GE GE GΕ 3/4 5/8 1/2 5/16 1 1/4 0 NO CETE 1 24.0 14.6 34.8 GE 200001 30.7 34.8 34.8 34.8 34.8 34.6 34.8 34.8 34.8 34.8 34.8 18000| 35.7 16000| 35.7 34.8 34 . 8 34 . 8 34.8 34.6 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.9 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 GE 140001 30.7 120001 30.7 34.8 34.8 34.8 68 100001 44.9 57.1 57.1 57.1 57.5 57.5 57.5 57.5 57.9 57.5 57.5 57.5 57.5 57.5 57.5 57.5 90001 44.9 57.1 57.1 57.5 57.5 57.5 57.5 57.5 GΕ 57.1 57.1 57.5 57.5 57.5 57.5 57.5 57.5 57.5 80001 44.9 57.1 57.1 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 70601 44.9 57.1 57.1 57.1 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 υE 50001 44.9 57,5 57.5 57.8 57.8 57.8 57.8 57.8 57.8 57.8 57.8 57.9 57.8 57.8 57.8 6 E 45 00 | 45.3 400 1 47.7 58.2 58.2 58.2 58.5 61.3 58.5 61.3 59.5 61.3 58.5 58.5 58.5 61.3 5 R . 5 58.5 58.5 58.5 58.5 58.5 61.3 61.C 61.3 61.3 61.0 61.0 61.3 61.3 61.3 61.3 61.3 61.7 35001 48.4 61.7 61.7 62.0 30 00 | 50.5 65.2 65.2 65.2 25001 62.4 90.1 80.1 80.5 8 C . 5 80.5 80.5 80.5 80.5 80.5 80.5 BQ.5 80.5 A G . 5 GE 80.1 80.5 2000| 65.9 1800| 66.9 85.7 85.7 85.7 86.1 86.1 86.1 86.1 86.1 86.1 86.1 96.1 86.1 88.2 86.1 88.2 86.1 86.1 €7.8 87.8 90.9 GЕ 67.8 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 15001 92.C 12 col 72.5 95.5 96.2 10001 72.8 36.2 97.6 97.9 97.9 98.6 98.6 98.6 6.F 96.9 96.9 98. 3 98.6 98.6 98.6 98.6 98.6 9001 73.2 97.2 97.9 97.9 99.7 99.7 99.7 99.7 99.7 99.6 99.6 99.0 99.3 99.7 99.7 8 CJ | 73.2 7 UN | 73.2 91.2 97.9 97.9 98.6 99.0 99.0 99.0 99.7 99.7 99.7 99.7 GE 97.9 99.7 99.7 99.7 99.7 GE 99.3 99.7 99.7 99.7 100.0 6071 73.2 100 . C 100.0 FCD1 73.2 91.2 97.9 97.9 98.6 99.0 99.0 99.3 100.0 100.0 100.0 100 · C 100.0 4001 73.2 3001 73.2 97.2 97.9 97.9 97.9 97.9 98.6 98.6 99.0 100.0 100.6 100.0 100.0 6E 99.0 99.3 100.0 100.0 100.0 103.0 100.0 100.0 99.0 99.3 100 · C 100.0 100.0 i 30 • 0 2001 73.2 97.2 97.9 99.6 99.0 100.0 99.0 99.0 1001 100 · C 100.0 107.0 100.0 100.0 100.0 01 73.2 97.2 97.9 99.0 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 97.9 98.6 99 .0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEDIOD OF RECORD: 78-87 MONTH: JUN HOURS (LST): 1500-1700 VISIBILITY IN STATUTE MILES .......... CE IL ING GE GE 3 2 1/2 1 58 IN 1 5E FEET 1 10 GE GE GE GE 2 1 1/2 1 1/4 1 30 GE GE 1/2 5/16 3/4 5/8 30.3 30.3 NO CETL 1 25.9 30.0 30.0 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30 . 3 30.3 30.3 SE 200001 31.7 GE 18760| 31.7 GE 160001 31.7 GE 14000| 31.7 37.6 37.6 37.6 37.2 37.2 37.6 37.6 37.6 37.6 37.6 37.6 37.6 37.6 \* 7 • 6 37.6 11.2 37.2 37.2 37.2 37.2 37.2 37.6 37 . 6 37.6 31.6 37.6 GE 12000| 31.7 37.2 37.6 37.6 37.6 37.6 37.6 37.6 GE 100001 47.2 55.0 59.3 59 . 7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59 • 7 59 • 7 59 • 7 90001 47.2 80001 47.2 59.0 59.0 59.3 59.3 59 • 7 59 • 7 59.7 59.7 59.7 59.7 59.7 5.7 GE 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 70001 47.2 59.0 59.3 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 60001 47.2 55.0 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.3 59.7 63.1 55.00 | 47.2 59.7 59.7 59.7 GE 59.0 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 59.7 45 col 47.2 40001 50.3 59.3 60.0 63.4 60.0 60.0 60.u 60 •0 63 •4 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 63.4 63.4 63.4 63.4 63.8 GE 63.4 63.4 63.4 63.4 63.4 63.4 35 CO | 50.7 30 CO | 51.7 63.8 63.8 63.8 63.8 úΕ 64.8 65.2 65 . 5 65.5 65.5 65.5 65.5 65.5 GF 25 001 62.1 77.2 77.9 77.9 77.9 77.9 77.9 77.9 76.9 77.9 77.9 77.9 77.9 17.9 77.9 77.9 8 C • 3 81.7 85.5 20001 64.5 81.0 61.7 81.7 81.7 85.5 81.7 81.7 81.7 91.7 81.7 űE GE 81.7 31.7 81.7 81.7 18001 66.6 84.8 85.5 85.5 85.5 85.5 85.5 87.9 95.5 1500| 68.3 1200| 73.8 97.2 94.5 89.U 97.6 89.0 97.6 99.0 97.6 89.0 97.6 89.0 97.6 GE 88 . 6 89.0 89.4 89.n 89.0 89.1 89.0 89.0 98.6 99.G 10001 74-1 95.5 96.6 97.6 98.3 98.6 99.0 99.0 99.0 99.0 99.0 99.0 99.0 9001 74.5 95.9 96.9 96.9 97.9 97.9 98.6 98.6 99.0 99.J 99.J 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 7001 74.8 97.2 99.0 í.F 98 . 3 99.3 99.3 99.7 99.7 09.7 99.7 99.7 99.7 99.7 99.7 99.1 GE 98.6 170.0 100.C 100.0 100.0 100.0 99.7 99.7 100 · C 100.0 100.3 100.0 űE 50:1 74.8 96.2 97.6 98.6 99.3 99.7 99.7 100.0 100.0 100.3 100.0 100.0 100.0 100.0 100.0 100.0 4001 74.8 3001 74.5 96.2 97.6 99.3 GE GE 99.7 99.7 90.6 100.0 100.C 100.0 100.0 100.0 190.0 100.0 100.0 1/0.0 76 . 6 100.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 97.6 2001 74.B 100.0 100.0 100.G 100.0 100.0 100.0 100 · D 100.0 1001 74.8 96.2 97.6 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 01 74.8 97.6 96.2 98 . 6 99.3 99.7 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIRILITY FROM HOURLY OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

								<b>ANGELSK</b>					MORTH		HOURS	(LST):	1960-20	20
CEIL		• • • •	• • • • •	• • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • • •			IN STATE			•••••	• • • • • • •	• • • • • • •	• • • • • • •	•••••••
I		լ Նա		CE	G٤	GE	GE	GE	GE	GE	GE	GE	3.0	Gí	GE	G.E	GE	GE
FEE			īc	١	5	4		2 1/2			1 1/4	1	7/4	5/8	1/2	5/16	1/4	ο
			_					•••										
NU C	ELL I	27.	• 4	32.1	32 • i	32 • 1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32 • 1	32.1	32.1	32.1
GE 2	aur bal	32.	. 9	4 C. i	40.0	40.0	40.0	40.0	40.C	40.C	4 G . C	40.0	40.0	40.0	40.0	43.0	40.0	46.6
GE 1	180001	32.	. 8	40.5	40.0	40 • Ü	40.0	46.8	40.0	40.0	40.0	40.0	40.0	43.0	40.0	40.0	47.D	40.0
GE 1	16001	32.	. 8	40.0	40.0	46.0	40.C	40.0	40.0	40.C	40.0	40.0	40.0	40.0	40.0	ن. 3⊅	40.0	43.0
GE 1	140001	32.	۹.	46.0	49.5	40.6	40.0	40.0	40.0	40.0	40.0	43.0	40.0	40.C	40.0	40.0	40.C	4 D • D
GE 1	120001	32.	. я	46.6	40.0	40.0	43.0	40.0	40.3	40.C	40.E	40.0	40.0	40.0	40.0	43.0	40.D	40.0
GF 1	ו משתמו	1 65	. 1	64.5	64.5	64 • 5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8
GE	90001			64.5	64.5	64.5	64.5	64.5	64 • 5	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8
ьE	80001			64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64 • 8	64.8	64.8	64.8
GE	70 60 1			64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.8	64.8	64.8	64.8
GE	6000			64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8	64.8	64.8	
υŁ	Buchi	44,	• 3	6443	04.5	04.0	04.3	04.5	04.5	04.5	04.5	04.5	64.5	04.0	04.6	0,0	04.0	64.8
GΕ	50001			64.6	64.8	64.8	64.8	64.6	64 • 8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2
GΕ	45601	l 5g.	۰.	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9	65.9	65.9	65.9	65.9
υE	4600	51.	. 7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.5	67.9	67.9	68.3	68.3	68.3	69.3	68.3
GE	35.00			65.7	69.7	69 • 7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	7C.0
ΰE	3,00	53	• B	71.7	71.7	71 • 7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.1	72.1	72.1	72.1	72.1
GE	25001	62.	. 1	81.7	82.1	82.1	82.1	87.1	82.1	82.1	82.1	92 . 1	82.1	92.4	82.4	82.4	82.4	82.4
	20001			87.2	87.0	97.6	87.6	87.6	87.6	87.6	87.9	97.9	87.9	98.3	88.3	88.3	88.3	86.3
ĞĒ	1000			95.7	90.0	90.0	90.6	96.3	90.3	90.3	90.7	90.7	99.7	91.3	91.0	91.0	91.0	91.0
GĒ	1500			92.1	92.4	92.6	92.8	93.4	93.4	93.4	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1
Gξ	1200			95.2	95.5	96.9	96.9	97.9	97.9	97.9	98.3	98.3	99.3	98.6	98.6	98.6	98.6	98.6
GΕ	1003	. 7	,	96.2	96.6	97.4	97.9	99.0	99.0	99.0	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7
6E	9051			96.2	96.6	97.9	97.9	99.0	99.0	99.0	99.3	99.3	99.1	99.7	99.7	99.7	99.7	99.7
U.E.	600										99.3	79.3	90	99.7	99.7	99.7	99.7	99.7
GE	7001			96.2 96.6	96.6	97.9	97.9	99.0	99.7	99 • C 99 • 3	99.7	79.3	99.7	100.0	160.0	100.0	100.0	100.0
30	600			96.6	96.9 96.9	98 • 3 96 • 3	98.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
UE	0 (0)	/3	• ′	76.0	95.9	98.3	98.3	99.3	99.3	99.3	99.7	44.7	94.1	100.0	100.0	100.0	160.6	160.0
Ŀξ	5601	70	• 7	96.6	96.9	96.3	98.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
ſΣ	4501	70.	. 7	96.6	96.9	98 • 3	98.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
(E	7.001	70.	. 7	96.6	96.9	98 • 3	98.3	99.3	99.3	99.3	99.7	29.7	99.7	100.0	100.0	100.0	100.0	100.0
GΕ	2001			96.6	96.9	98.3	98.3	99.3	99.3	99.3	99.7	99.7	97.7	100.0	100.0	100.0	100.0	100.0
UE	1001	79.	. 7	96.6	96,9	98.3	98.3	99.3	99.3	99.3	99.7	99.7	97.7	100.0	100.0	170.0	100.0	100.0
GE.	2.1	70.	. 7	96.E	96.9	98.3	98.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 76-87 VISIBILITY IN STATUTE MILES MONTH: JUN HOURS (LST): 2108-2330 ....... CEILING
IN | GE
FEET | 1 GE GE GE 1 6E GE GE 2 1 1/2 1 1/4 دد ا اه GE GΕ 3 2 1/2 4 3/4 1/2 5/16 NO CELL 1 29.4 35.5 35.8 35.8 35.8 35.8 35.€ 35 . 8 35.8 35.8 35.8 35.8 35.8 6E 200001 33.8 42.0 42.0 42.0 41.6 42.0 42.0 42.0 42. C 42.0 42.0 42.0 42.0 42.0 42.0 42.0 GE 16700| 33.8 42.C 42.C 42.C 41.6 42.0 42.3 42.3 42.0 42.0 42.0 42.6 42.3 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 41.6 GE 140001 33.8 42.C 42.0 42.0 42.3 42.C 42.C 42.G 42.0 42.0 uE 120001 33.8 GE 100001 51.2 GE 91001 51.2 GE 80001 51.2 66.5 67.6 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 66.9 67.6 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.6 67.9 66.9 67.9 67.9 67.9 67.9 67.9 67.9 70031 51.2 6 E . 9 67.9 67.9 67.9 67.4 67.9 67.9 67.9 67.9 67.9 67.9 67.9 66.9 60001 51.2 61.9 67.9 67.9 67.9 50001 51.2 66.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9 68.3 70.6 45 CG | 51.2 40 GG | 52.9 67.6 68.6 68.6 71.0 68.6 68.6 71.0 6E 68.6 71.0 68.6 68.6 71.0 68.6 68.6 GE 71.0 71 • U 71.0 71.0 71.0 ⊍E GE 71.7 30001 55.3 7 2 . 4 74.4 74 . 7 75.1 75.1 75.1 75.1 25001 59.0 78.5 79.5 GĒ 79.9 A0.5 80.5 80.5 80.5 80.5 20.5 8-.5 80.5 83.5 83.5 80.5 80.5 20001 62.5 84.6 82.3 83.6 84.6 84.6 84.6 84.6 86.7 84.6 84.4 84.6 84.6 84.6 84.6 64.6 94.3 85.3 (.F 85.7 86.7 86.7 96.7 86.7 15001 66.6 90.8 89.4 91.1 92.2 92.2 92.2 92.2 92.2 92.2 97.2 92.2 92.2 92.2 92.2 92.2 96.6 GE 10001 67.9 9 3. 9 95.6 96.2 97.6 98.3 98.3 98.3 99.3 98.3 98.3 98.3 98.3 9001 68.3 9001 68.3 96.2 96.2 97.3 97.3 98.6 98.6 99.3 99.3 9 .3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 94.5 99.3 94.5 99.3 99.7 6£ 7001 64.3 34.5 96.6 97.6 99.0 99.7 99.7 99.7 99.7 9.2 . 7 99.7 99.7 99.7 99.7 6001 68.3 94.9 GΕ 96.6 99.0 99.7 99.7 99.7 39.7 99.7 99.7 97.6 99.7 99.7 97.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 97.6 97.6 99.7 99.7 4 401 64.3 94.9 96.6 99.0 99.7 99.7 99.7 99.7 99.7 99.7 ĞΕ 3001 69.3 94.9 96.6 99.0 99.7 99.7 99.7 99.7 100.0 97.6 100.0 100.0 99.7 99.7 υE 1001 69.3 94.9 96.6 97.6 99.0 99.7 99.7 99.7 99.7 100.0 100.0 100.0 31 69.3 G.E. 96.6 97.6 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 100.0 100.0 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

PER100 OF RECORD: 78-87 STATION NUMBER: 225502 STATION NAME: ARKHANGELSK USSR HOURS (LST): MONTH: JUN VISIPILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 CEILING IN | GE FEET | 1 GE GE 3 2 1/2 CE 6 G E 4 G<sub>ξ</sub> 5/8 GE 5 GE 1/2 GE 5/16 1/4 NO CEIL 1 48.3 34.5 34.5 34.5 34.5 34.5 34.5 34.1 34.2 34.5 34 - 4 34.4 34 .4 34.5 34.5 34.5 40.6 GE 200001 33.2 45.3 47.3 40.4 40.5 40.6 40.6 40.6 3.94 40.6 40.6 40.6 40.6 40.7 GE 16000| 33.2 GE 16000| 33.2 40.2 40.3 46.4 40.5 46.6 40.6 40.6 43.6 40.6 47.6 40.6 43.6 40.6 40.6 40.7 40.6 40.3 40.5 40.6 40.6 47.6 43.6 40.6 40.6 40.6 43.6 40.7 GE 140 dOL 37.2 40.3 40.3 40.6 46.2 40.4 40.5 40.6 40.6 40.6 40.6 40.6 40.6 40.6 43.6 40.6 45.7 4 C . . 40.5 40.6 40.6 47.6 40.6 40.4 40.6 64.8 GE 100001 48.7 63.7 63.9 64.4 64.6 64.7 64.7 64.8 64.8 64.9 64.7 64.9 65.1 64.8 64.9 90001 49.7 80031 48.7 63.9 64.6 64.7 64.8 64.8 64.8 64.8 64.9 64.9 64.9 64.9 64.9 65.1 61.7 64 . 4 64.7 64.9 64.9 GE 64.7 64 . 4 64.8 70001 48.7 63.9 64.8 64.8 64.9 64.9 64.9 65.1 64.3 GE GCLOI 48.7 61.7 63.5 64.6 64.7 64 . 7 64.8 64.8 64.8 64.9 64.9 64.9 65.1 65.0 65.5 67.8 64.7 GE 50001 49.7 63.9 64.1 64.9 65.C 65 · D 65.0 65.2 64 . 6 64.9 64.9 65.1 65.1 65.1 45 col 49.0 40 col 50.8 65.7 65.5 65.6 64.4 64.7 65.3 65.4 65.5 65.5 65.5 65 . 1 65.8 68.0 ĿΕ £ 6.6 66.9 67.4 67.5 67.7 67.7 67.7 67.8 67.8 67.9 67.9 35031 51.7 67.9 68 . 7 ٥E 69.1 69.0 69.1 30001 52.8 65.7 70.3 70.8 71.0 71.1 71.2 71.2 71.2 71.2 71.4 25001 58.8 79.1 79.4 79.4 79.4 79.5 (,F 11.7 78.3 78 . 8 79.3 79.3 79.4 79.4 79.5 79.5 79.7 83.9 83.9 87.9 GE 9 1.9 8 4.5 82.7 85.1 83.2 83.5 83.8 84.0 84.1 84.1 83.7 83.8 84.0 P4.2 ΰE 18001 63.1 86.2 86.4 86.6 86.7 86.7 86.7 86.7 86.8 86.8 86.9 ьE 1001 65.2 87.7 88.6 89.4 87.9 90.2 90.3 90.4 90.5 90.5 91.5 90.5 90.6 90.6 90.6 90.8 96.8 94.7 95.6 95.5 ĿΕ 1000 68.1 9001 68.3 93.4 96 • 2 97.0 97.6 97.8 98.0 98.2 98.2 98.2 98.3 98.3 98.4 98.4 98.5 GΕ 96.5 96.6 97.4 97.5 98.C 98.1 98 • 1 98 • 3 98.4 98.6 98.7 98.7 98.7 98.7 98.8 99.0 98.8 98.9 8 COL 68.3 92.7 98.9 99.0 99.0 99.1 98.5 98.8 38.8 99.2 üξ 700| 68.4 94.0 95.3 96.9 97.8 98.4 98.6 98.9 99.1 99.2 99.3 99.3 99.4 99.4 99.5 94.1 99.3 99.5 99.7 £ CC | 64.4 95.5 97.9 99.5 97.3 98.6 98.7 95.5 95.5 95.5 5001 ER.4 99.4 79.4 99.4 99.5 99.6 99.7 94.1 97.1 98.0 98 .8 99.1 99.5 99.6 98.6 99.6 4001 68.4 3001 68.4 99.4 99.4 99.6 99.7 GE 94.1 99.4 99.5 99.5 98.6 98.8 99.1 99.1 94.1 97.1 98.J 99.4 99.5 99.5 99.6 GΕ 98.6 98.8 2001 69.4 94.1 95.5 98.0 99.1 99.4 99.5 99.7 97.1 96.6 98.8 1001 69.4 94.1 95.5 97.1 99.0 98.6 98.8 99.1 99.4 99.4 99.4 99.5 99.8 99.8 100.0 01 69.4 95.5 GΕ 94.1 97.1 98.0 98.6 98.8 99.1 99.4 99.4 99.4 99.5 99.7 99.8 99.8 100.0

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ST	ATION N	UMBER:	225500	STATE	CA NAME:	ARKI	IANGELSK	USSR				PERIOD	OF REC	3RD: 78	-87			
												HONTH	: JUL	HOURS	(LST):	0000-02	00	
	IL ING	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • •			IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • •
		GŁ	EF	GE	GE	GE	GE	GE	GE	GE	GE GE	GE	Gr	GE	GE	GE	GE	
	EET 1	_	ι. υ	5	4		2 1/2		1 1/2		1	3/4	5/g	1/2	5/16	1/4	٥	
•••	• • • • • • •	• • • • • • •								••••								
NO	CEILI	25.0	77.3	37.3	38.ძ	38.0	3 A • 3	38.3	38.3	38 • 3	38 • 3	39.3	38.3	38.3	38.3	38.3	36.3	
GΕ	200001	37.3	45.0	45.7	46.7	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
	180001		45.0	45.7	46.7	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
	16-001		45.0	45.7	46 • 7	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
	147001		45.C	45.7	46 • 7	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
GE	120001	30.3	45.C	45.7	46.7	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
ÚΕ	100001	42.0	65.6	65.7	67.3	67.3	68.7	69.7	69.C	69.0	69.0	67.0	69.0	69.0	69.0	69.0	69.0	
υE	90001		65.0	65.7	67 - 3	67.3	68.7	68.7	69.C	69.[	69 • D	69.0	69.0	69.Q	69.0	69.0	69.0	
GΕ	97301		65.0	65.7	67 • 3	67.3	66.7	68.7	69. C	69.0	69 • C	69.0	69.0	69.3	69.0	69.0	69.0	
GE	70001		€5.0	65.7	67.3	67.3	68.7	68.7	69.D	69.C	69 • C	60 • U	69.0	69.0	69.0	69.0	69.0	
GΕ	60 CD	42.0	65.0	65.7	67.3	67.3	68.7	68.7	69.C	69.C	69 • C	69.0	69.0	69.0	69.0	69.0	69.D	
ίŁ	50001	43.0	66.3	67.0	68.7	68.7	76.0	70.0	70.3	70,3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE	45001	43.3	66.7	67.3	69.0	69.C	70.3	7 . 3	77.7	70.7	70.7	77.7	70.7	70.7	70.7	70.7	70.7	
GΕ	40001	44.7	68.0	68.7	70.3	70.3	71.7	71.7	72.C	72.C	72.0	72.0	72.0	72.0	72.0	72.0	72.€	
υE	35 60 [	45.7	69.0	69.7	71 - 3	71.3	72.7	72.7	73.€	73.€	73 • D	73.D	73.0	73.0	73.0	73.0	73.C	
ΘE	30,001	46.7	75.7	71.3	73.0	73.0	74.3	74.3	74.7	74.7	74 . 7	74.7	74.7	74.7	74.7	74.7	74.7	
GE	25,60 }		72.C	72.7	74 • 3	74.3	75.7	75.7	76.€	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	
GΕ	16375		75.7	76.7	78.3	78.7	80.0	0.08	8 J. 3	80.3	80.3	80.3	80.3	80.3	8J.3	80.3	B D • 3	
GΕ	18001		77.3	78.3	80.7	81.0	82.3	82.3	82.7	82.7	82.7	82.7	83.0	83.7	83.0	83.0	83.0	
GE	15001		91.3	82.3	85 • ∪	85.3	66.7	86.7	67.C	87.C	87.C	87.0	87.3	87.3	87.3	87.3	87.3	
υ.Ε	12001	56.D	95.7	87.3	90.0	90.7	92.C	92.0	92.3	92.3	92 • 3	92.7	93.0	93.0	93.0	93.0	93.0	
ĿĘ	10001	55.7	98.3	90.0	93.3	94.3	95.7	95.7	96.3	96.3	96.3	96.7	97.0	97.0	97.0	97.0	97.0	
GE	9601	57.0	89.5	99.7	94 . D	95.C	96.3	96.3	97.0	97.C	97.0	97.7	97.7	97.7	97.7	97.7	97.7	
ĿΕ	8001	57.0	89.7	91.7	95.3	96.3	97.7	97.7	98.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	
GE	7001	57.0	95.7	91.7	95 • 3	96.3	97.7	97.7	98.5	98.3	98.3	99.7	99.0	99.0	99.0	99.0	99.0	
θĹ	€ 001	57.0	89.7	91.7	95.7	96.7	98.0	98.0	98.7	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	
GE		57.5	85.7	92.0	96 • J	97.0	98.3	98.3	99.€	99.0	95.0	99.3	99.7	99.7	99.7	99.7	59.7	
GE		57.0	85.7	92.3	96 . i	97.0	98.3	98.3	99.C	99.C	99.0	99.3	99.7	99.7	99.7	99.7	99.7	
Ŀξ	3001	57.0	RS. 7	92.0	96 . U	97.0	98.3	98.3	99.0	99.C	99.0	99,3	99.7	99.7	99.7	99.7	99.7	
٥£		57.0	95.7	92.6	96 ∙ છ	97.0	98.3	98 • 3	99.C	99.C	99.0	99.3	99.7	99.7	100.0	100.0	100.0	
G.E	1001	57.0	85.7	92.0	96 • Ü	97.0	98.3	98.3	99.0	99.0	99.C	99.3	99.7	99.7	100.0	100.0	100.0	
GE	01	57.0	A 5 . 7	92.0	96.0	97.0	98.3	98.3	99.C	99.0	99.0	92.3	99.7	99.7	100.0	100.0	100.0	

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78+87 MONTH: JUL HOURS(LST): 0300-0560 CEILI"6 VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 IN | FEET | GE GE GE 2 1 1/2 1 1/4 GE GE GE GE U 10 5 1/2 5/16 1/4 NO CETE | 25.2 37 - 1 37.1 37.1 37.1 37.1 36.1 36 -8 37.1 37.1 37.1 37.1 37.4 37.4 37.7 36.1 GE 200001 30.1 45.7 46.7 47.11 47.4 47.4 47.4 47.4 47.7 47.0 47.4 47.4 47.4 47.7 48.0 48. 3 6E 187001 30.1 45.7 46.7 47.0 47.0 47.4 47.4 47.4 47.4 47.4 47.4 47.4 47.4 47.7 47.4 47.7 49.0 46.3 GE 16000 33.1 45.7 46.7 47.3 47.0 47.4 47.4 47.7 47.7 GE 14000| 30.1 GE 12000| 30.1 45.7 46.7 47.0 47.4 47.4 47.4 47.4 47.7 48 . C 48.0 GE 100001 44.4 61.5 68.9 69.5 69.5 70.5 70.5 70.9 70.9 79.9 71.2 71.9 72.2 90001 44.4 θE 67.5 68.9 69.5 69.5 70.5 70.5 70.5 70.5 70.5 70.5 70.9 70.9 70.9 70.9 77.9 70.9 71.2 71.5 71.5 71.9 80001 44.4 67.5 68.9 70.9 71.2 72.2 70.9 70.9 73.9 73.9 Gξ 70001 44.4 67.0 68.9 69.5 69.5 70.5 70.9 10.9 70.5 70.5 70.9 71.5 ٥Ę 50001 44.7 67.9 69.2 69.9 70.9 70.9 71.2 71.2 71.2 71.5 71.9 72.2 71.2 72.5 GE GE 45001 45.0 71.9 72.5 68.5 69.9 73.5 73.5 71.5 71.5 71.5 71.9 72.5 71.9 72.2 72.8 70.5 65.2 71.2 71.2 72.2 73.2 72.5 73.5 72.5 73.5 72.5 73.5 72 • 8 73 • 8 73.5 74.5 72.2 72.2 73.2 73.8 GE 35 C3 | 46.4 36 C3 | 47.0 GE. 71.2 73.2 74.2 25001 49.3 73.A 75.5 GE 76.2 77.5 76.5 77.5 77.5 77.9 77.8 77.8 77.8 78.1 78.5 78.8 79.1 2000| 5J.0 1800| 51.7 61.1 83.1 81.1 91.1 93.1 76.5 78.5 79.5 81.1 8,08 80.8 A1.8 82.1 84.1 8 C . S 81.5 83.4 82.5 80.5 6E 78.5 81.1 81.5 8 ∠ •8 82.8 92.8 93.1 83.8 81.5 8.93 88.1 93.U 84.4 85.1 86.4 86.4 86.4 86.8 86.6 86.8 87.1 97.4 87.7 ЬF 89.7 95.€ 92.4 92.7 95.9 95.7 υE 10001 56.3 A 7. 7 90.4 93.C 94.4 94.4 94.7 95.5 95.0 95.4 95.7 96.0 6E 9001 56.6 88.1 90.7 95 an 95.0 93.4 95.4 95.7 95.7 96.4 96.7 96.7 97.0 95.7 96.0 97.0 8.01 57.0 7051 57.0 GE 91.1 93.7 95.4 95.4 95.7 96 . C 96.C 96.0 96.0 96.4 97.4 6 E 86.7 91.4 94.0 94.0 97.4 97.4 97.4 97.4 97.4 97.7 98.0 6001 57.0 98.0 5001 57.0 91.4 93.4 96.0 96.4 <7.4 97.4 97.4 98.3 98.7 99.0 4001 57.0 3201 57.0 6 F 98.7 91.4 91.4 93.4 94.0 95.7 96.0 96.4 97.4 97.4 97.4 97.4 97.4 97.4 97.7 97.7 ¢8.3 93.4 98.3 94.0 96.4 99.0 95.7 96.0 98.7 94.C 2001 57.0 98.7 96.4 97.4 96.0 97.4 100.0 95.7 96 . .. 97.4 97.4 97.7 98.7 99.3 01 57.0 91.4 93.4 96.4 97.4 97.4 98.7 94.0 95.7 96.0 97.4 97.4 97.7 98.7 99.3 100.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PER100 OF RECORD: 76-87 PONTH: JUL HOURS (UST): 0600-0800 VISIBILITY IN STATUTE MILES CEILING GE GE GE 2 1 1/4 1 66 GE CE 6 E GΕ GE GE GF IN I 10 3 2 1/2 1/2 ŧ 1 3/4 5/8 5/16 1/4 D 33.4 NO CEIL | 20.1 34.4 34.4 34.4 34.8 34.8 34.8 34 . 8 34.8 GE 200001 34.1 42.5 42.5 42.5 42.5 42.5 42.9 42.8 42.8 42.8 41.1 41.8 42.8 42.8 42.8 42.A 42.9 42.8 GE 187631 34.1 41.1 41.8 42.5 42.5 42.5 42.5 42.5 42.9 42.8 42.8 42.8 42.8 42.8 42.8 6E 16CCO1 34.1 GE 14CCO1 34.1 41.1 41.8 42.5 42.5 42.5 42.5 42.5 42.5 42.8 42.8 42.8 42.8 42.8 42.8 42.8 41.1 42.5 42.5 42.5 42.8 42.8 42.3 42.8 42.8 42.8 42.8 42.8 120001 34.1 41.9 42.5 42.5 42.5 42.5 42.9 42.8 42.8 42.8 SE 1550hl 49.8 67.9 67.9 67.9 67.9 68.2 68.9 68.9 69.2 67.2 69.2 69.2 69.2 69.2 GΕ 9"101 47.8 64.5 66.6 67.9 67.9 67.9 67.9 67.9 68.2 68.9 68.9 67.2 69.2 69.2 69.2 69.2 69.2 80001 49.8 64.5 66.6 67.9 68.9 68.9 69.2 69.2 GE 68.2 70 COL 49.8 68.9 68.9 69.2 69.2 69.2 64.5 66.6 67.9 67.9 67.9 67.9 69.2 69.2 69.2 69.2 69.2 69.2 66.6 69.6 50001 50.2 64.9 66.9 69.2 69.2 69.6 69.6 69.6 69.6 69.6 υE 68.2 68.2 68.2 68.2 68.6 45001 50.5 40001 51.2 65.2 68.6 68.9 69.6 70.6 69.6 69.9 70.9 69.9 70.9 69.9 73.9 69.9 69.9 70.9 69.9 67.2 68.6 6 b • 6 6 5 • 6 69.6 68.2 υŧ 35 00 | 52.2 30 00 | 52.5 71.9 72.2 79.6 70.6 70.9 68 67.6 69.6 70.9 70.9 70.9 7n.9 71.2 71.9 72.2 72.2 72.2 72.2 25 CU1 53.8 65.6 73.9 74.2 74.2 74.2 74.2 74.2 6E 72.9 72.9 73.9 71.6 72.9 72.9 73.2 77.3 73.6 62.3 77.3 20001 56.5 16001 57.2 12.6 77.3 77.3 77.3 GE GE 74.6 75.9 75.9 75.9 76.9 76.9 77.3 76.3 77.6 77.3 77.3 77.3 77.3 78.3 81.9 78.3 81.9 78.6 82.3 78.6 78.6 79.6 78.6 15001 59.2 12001 62.2 16.6 78.9 80.9 80.9 86.9 80.9 81.3 87.3 92.3 82.3 82.3 89.0 89.0 GΕ 84.6 87.0 87.3 87.6 88.0 88.6 88.6 89.0 89.0 89.0 89.0 93.3 95.7 6E 10001 64.2 86.6 89.3 92.3 92.6 93.3 93.6 95.0 95.3 95.7 95.7 95.7 95.7 95.7 9501 64.5 96.3 87.6 93.3 96.0 95.3 96.3 96.3 GΕ 67. .. 93.0 94.0 94.5 94.3 95.7 96.3 96.3 GE 8 CO | 64.5 87.3 90.3 93.6 94.0 94.6 94.6 95.C 96.3 97.0 97.0 97.0 6 E 7001 64.5 57.6 94 . 1 94.6 95.3 95.3 95.7 97.3 98.0 98.0 98 . D 98.0 99.0 95.4 95.3 96.0 96.0 96.3 5001 64.5 P 8 . 3 91.3 95.3 98.0 99.3 99.3 99.3 99.3 44.3 υE 95 · u 96.0 96.3 96.7 98.3 99.3 6E 4001 64.5 48.3 91.3 95 . U 95.3 96.0 96.3 96.7 98.0 98.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 3001 64.5 2001 64.5 91.3 95.3 99.3 99.3 99.3 6E 2 E • 3 96.0 96.3 96.7 100.0 υE 98.3 99.3 99.7 100.0 100.0 GE 1001 64.5 48.3 91.3 95.0 99.3 99.7 95.3 96.0 96.3 96.7 98.0 98.3 100.0 100.0 100.0 01 64.5 98.3 99.7 100.0 100.0 100.0 υ£ 91.3 95 . .. 95.1 96.0 96.1 96.7 98.0 98.3 99.3 99.7

GLOBAL CLIMATOLOGY BRANCH USAFFTAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR PE-100 OF RECORD: 75-87 MONTH: JUL HOURS(LST): 0930-1100 CEILING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GE GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 IN | GE FEET | 10 GŁ G F 4 GE 30 5/8 1/2 5/16 1/4 С .............. 36.4 NO CEIL 1 31.1 35.6 36.1 36 . 4 36.4 36.4 36.4 36.4 36 . 4 36.4 36.4 36.4 36 . 4 36.4 36.4 GE 200031 35.8 43.7 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 41.0 4 7 . 4 44.0 44.4 44.4 44.4 GE 180001 35.8 GE 160001 35.8 GE 140001 35.8 4 3.5 44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.4 43.4 43.7 44.4 44.4 44.4 44.0 42.0 44.4 44.4 43.4 43.7 44.0 44.4 44.4 44.4 44,4 44.4 44.4 44.4 44.4 44.4 43.4 43.7 44.0 44.4 44.4 44.4 44.4 44.4 44.4 120001 35.8 44,4 44.4 44.4 44.4 6E 100001 47.7 63.9 ₩E GE 90001 47.7 80001 47.7 63.2 63.6 63.6 63.6 63.6 63.6 63.6 63.9 63.9 66.3 61.3 61.9 62.3 63.2 63.2 63.2 63.9 63.2 67.6 63.9 6r.3 61.3 63.2 63.2 61.9 62.3 70001 49.0 60001 49.0 61.6 62.3 63.9 63.9 63.9 63.9 63.9 63.9 ĿΕ 65.6 61.6 62.3 62.6 63.6 63.6 63.6 63.6 50001 48.0 63.9 63.9 64.2 64.2 GE 51.6 61.0 62.3 62.6 63.6 63.6 63.6 63.6 63.9 63.9 63.9 45001 48.0 40001 49.0 66.6 61.6 62.3 62.6 63.6 63.6 63.6 63.6 63.9 63.9 63.9 63.9 63.9 64.Z 65.2 64.2 GE 61.6 63.2 63.9 63.6 64.6 64.6 64.6 64.6 64.9 64.9 64.9 64.9 64.9 65.2 GΕ 65.2 65.2 30 001 51.0 1.E 65.2 65.6 66.6 66 .6 66.6 66.9 66.9 66.9 66.9 66.9 67.2 6E 25 CC | 55.6 20 CJ | 57.9 68.9 69.9 70.5 70.9 72.2 72.2 72.2 72.2 72.5 76.5 72.5 72.5 72.5 72.5 72.8 72.8 76.5 76.5 74.5 77.5 74.8 77.8 76.2 79.1 76.2 76.2 76.5 76.5 76.B Ŀξ 76.2 76.8 ₽E 1PL7| 59.6 75.5 76.8 79.1 79.1 79.1 79.5 79.5 79.5 79.5 79.5 79.8 74.8 ĿE ĿE 15001 61.6 93.4 83.8 91.1 83.8 91.1 83.8 91.1 78.8 81.1 91.8 82.1 8 1.4 81.4 83.8 83.8 64.1 84.1 90.7 90.4 10001 65.6 97.7 97.4 94.4 94.7 94.7 94.7 95.0 95.0 95.0 95.0 95.0 95.4 95.4 9001 65.6 Fuel 65.9 88.1 97.7 91.7 92.4 93.4 93.D 94.U 95.4 96.4 95.4 96.0 97.0 6E 95.0 95.4 95.7 95.7 95.7 95.7 95.7 96.0 GE 96.0 96.4 96.7 96.7 96.7 96.7 96.7 93.5 98.7 7001 66.2 36.1 95.4 96.4 98.3 98.7 98.7 99.0 99.0 99.0 99.0 00.3 99.3 űE £001 66.2 96.4 96.3 99.7 99.7 99.7 99.7 99.7 5001 66.2 96.1 93.0 99.3 99.1 150.0 160.0 GE 95.7 96.7 98.7 99.3 99.3 99.3 99.3 99.7 99.7 99.7 99.7 4001 66.2 96.1 93.C 95 • 7 95 • 7 98.7 96.7 58.7 99.0 99.3 99.7 99.7 100.0 96.7 96.7 100.0 ٥E 99.7 100.0 6.E 99.7 100.0 2001 66.2 96.7 99.0 100.0 99.7 GE 1001 66.2 93.0 98.7 99.3 99.3 99.7 99.7 99.7 100.0 100.0 71 66.2 99.7 100.0 100.0 υE 95.1 93.0 95.7 96.7 98.7 99.0 99.3 99.3 99.7 99.7 99.7 99.7

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ATR WEATHER SERVICE/MAC

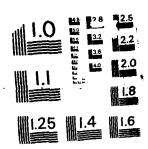
51	ATION N	JPPER:	225500	STATI	S NAME :	ARKE	ANGELSK	USSR				PEPIOD	OF REC	ORD: 78	-87		
													: JUL			1200-14	
		• • • • • •	• • • • • • • •		• • • • • • •	• • • • • •	• • • • • • •						• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • •
CE.	ILING	GΕ	33	GE	G E	GE	GE	G E A T Z T	GE	IN STAT	GE MIL	ES GE	Gf	GE	GE	GE	GE
	ELT		LC 6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	G.
													-			-	
•															•••••		
NO	CEIL	26.9	10.3	37.6	30.6	30 • 6	36.6	30.6	30.6	31 • C	31.0	31 • ŋ	31.5	31.0	31.0	31.0	31.G
															• • •		
	200001		37.U	38 . u	ب 38 €	38.0	38.0	38.0	38.C	38.4	38 • 4	39.4	38 • 4	38.4	38.4	38.4	38.4
	187.001		37.6	38.0	38.0	38.0	30.0	39.0	38.0	38.4	38.4	3 P • 4	38 • 4	38.4	38 • 4	38.4	38.4
	160001		37.0	38.0	38 • 0	39.0	38.0	38 • 0	38.C	38.4	38 - 4	35.4	38 - 4	39.4	38 . 4	38.4	36.4
	141.031		77.C	3 A . j	38 • U	39.0	38.0	38 • 0	38.D	38.4	78.4 38.4	30.4 38.4	36 • 4 38 • 4	38.4 38.4	38.4	38.4	38.4
υc	120001	36.0	37.0	38.0	79 • 7	38.D	38 .D	38 • C	38.0	38 . 4	30.4	37.4	>0.4	30.4	38.4	39.4	38.4
υE	100001	45.8	55.2	56.0	56.9	57.2	57.2	57.6	57.9	58.2	58 • 2	50.2	58 • 2	58.2	58.2	58.2	58.2
(-E	90 00 1	45.5	55.2	56.6	56.9	57.2	57.2	57.6	57.9	58.2	58.2	56.2	58.2	58.2	58.2	58.2	58.2
GE	8 100 (	45.5	55.2	56.6	56 • 9	57.2	57.2	57.6	57.9	58.2	58.2	5P.2	58.2	58.2	58.2	58.2	56.2
٥E	70601	45.8	55.2	55.6	56.9	57.2	57.2	57.6	57.9	58.2	E8 • 2	58.2	58.2	58.2	58.2	59.2	58.2
GE	60001	45.8	55.2	56.6	56.9	57.2	57.2	57.6	57.9	58.2	58 • 2	50.2	58.2	58.2	58.2	58.2	58.2
			55.2						57.9	58.2	58.2	5 A . 2	- 0 >				58.2
GE	50001			56.6	56 • 9	57.2	57.2	57.6				_	58.2	59.2	58 • 2	58 • 2	
GE	45.001		55.2	56.6	56 • 9	57.2	57.2	57.6	57.9	58 • 2	58 • 2	5 A . 2	58.2	58.2	58 • 2	58.2	58.2
١٠٤	40001		56.6	57.9	58.2	59.6	58.9	59.3	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE	35 00		57.€	54.9	59 • 3	59.6	59.9	60.3	60.6	60.9	60.9	67.9	60.9	60.9	60.9	60.9	60.9
ı, E	30001	50.2	66.6	62.C	62.3	62.6	63.6	63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
ĿΕ	25601	60.3	12.7	74.1	74 . 4	74.7	75.1	75.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE	20001	64.0	77.1	79.5	79 • 1	79.5	79.8	83.1	80.5	89.8	80.8	87.8	80.8	80.8	83.8	8.08	8 C • 8
ijΕ	10001	65.0	75.8	81.5	82 • Z	82.5	82.8	83.2	83.5	63.8	83.8	87.8	83.8	83.8	8.8	83.8	83.8
GE	1560}	68.0	83.5	85.2	56.2	86.5	86.9	87.2	87.5	87.9	97.9	87.9	87.9	87.9	87.9	87.9	A7.9
€.	12001	71.4	3.28	91.6	72.9	93.3	93.6	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
υE	17001	77 .	91.2	93.6	<b>75 • 3</b>	95.6	96.0	96.3	97. G	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE		72.1	91.9	94.6	96.6	97.0	97.3	97.6	98.3	98 • 7	98.7	99.7	98.7	98.7	98.7	98.7	96.7
GE	801		92.3	94.9	97.0	97.3	97.6	98.0	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
u E		72.4	92.3	95.3	97.3	97.6	98.0	98.3	99. L	99.3	99.3	99.3	77.3	99.3	99.3	99.3	99.3
GE		72.4	9 2 . 3	95.3	97.3	97.6	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
o.	, <b>00</b>	12.		,,,,	,, • .,	71.0	70.3	70 1	774 3	,,,,,	,,,,,	,,,,,		,,,,,		77.	,,,,,
υE	5.001	72.4	92.3	95.3	97.3	97.6	98.3	98 • 7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
ьĒ	4 89	72.4	92.3	95.3	97.3	97.6	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
r.F	3401	17.4	72.3	95.3	97.5	97.6	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	2601	72.7	92.6	95.6	97.6	98.0	98.7	99 • U	99.7	100 • C	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	1 00 1	72.7	92.6	95.6	97.6	98.D	98.7	99.0	99.7	100 • C	100.0	100.0	100.0	100.7	100.0	100.0	160.0
GE	31	72.7	92.6	95.6	97.6	98.0	98.7	99.0	99.7	100 • C	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VEHSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF FECORD: 78-87 MONTH: JUL HOURSILSTI: 1500-1700 CE 1L 11:6 VISIBILITY IN STATUTE MILES GE IN 1 GE FEET 1 1 6 E GE GF GE GE 2 1 1/2 1 1/4 1 GE GE 3 2 1/2 ¥D. 3/4 1/2 5/16 5/8 NO CETE 1 25.5 28.9 28.9 28.9 25.9 28.9 28.9 78.9 28.9 28.9 28.9 28.9 28.9 28.9 28.9 75.6 15.6 35.2 35.6 6E 200031 30.9 35 . 6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.2 35.2 35.6 35.6 35.6 35.2 GE 180001 30.9 35.0 35.6 35.6 35.6 35.6 35.6 35.6 75.6 35.6 35.6 35.6 35 · 6 35 · 6 35 . 6 35.6 160001 30.9 147001 30.9 127001 30.9 35.2 35.6 GΕ 35.€ 35.6 35.6 35.6 35.6 75.6 35.6 35.2 35.6 GE 35 . 6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35 .6 100001 44.0 54.0 54.0 54.0 54.0 54 • C 54.0 54.0 54.0 54.0 ijŁ 52.4 52.4 53.4 93081 44.0 80031 44.0 53.4 54 • 0 54.0 54.0 54.0 54.0 54.0 54.0 54. C 54. C 54.D 54.D 54.7 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 (, 8 54.0 54.0 GΕ 54.6 54.0 GΕ 70001 44.0 53.4 54.0 54.0 54.0 54 . C 54.0 54.0 54.3 54.0 54.0 54.0 54.3 60001 44.D 53.4 5 7 . 4 54.0 υE 54.0 54.0 54 . C 54.0 54.0 54.0 54.0 50001 44.0 53.7 53.7 GE 54 . 4 54.4 54.4 54.4 54.4 54.4 54.4 45 LC | 44.6 40001 47.7 54.4 55.0 55.0 55.0 55.3 55.0 55.0 59.1 55.C 5 .4 55.0 G.E 50.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 67.1 60.1 GE 60.1 60.1 60.1 60.1 67.1 6¢•1 60.1 60.1 64 • 8 ŭΕ 30001 52.0 63.8 63.5 64.4 64.4 64.8 64.8 64.8 64.8 64.8 64.8 64.8 25001 61.7 20001 64.9 75.5 85.9 83.2 76.8 82.6 85.6 G€ 75.5 76 . 5 76.5 76.8 76.8 76.8 76.9 76.8 76 . 9 76.8 92.6 76.8 76.8 ÜĒ 81.2 82.2 84,6 82.2 82.6 82.6 82.6 82.6 82.6 82.6 82.6 85.6 52.6 85.6 82.6 P5.6 68 18501 66.4 83.6 84.9 85.2 85.6 85.6 R5 . 6 85.6 85.6 89.6 150 -1 67.4 86.2 87.6 98.6 89.6 GE 86.6 87.9 96.3 88.6 88.6 88.6 88.6 95.5 95.6 95.6 97.6 66 97.7 98.3 98.3 98.0 98.3 98.3 98+3 9001 72.5 9001 72.5 98 . C 98 • 1 98 • 7 99.0 99.0 92.3 99.3 99.3 99.3 99.3 99.3 GE 94.6 99.3 99.3 99.3 29. 1 94.6 99.3 99.3 99.3 99.3 25.0 99.0 7001 72.5 96.0 98.3 99.3 99.3 99.7 99.7 97.7 99.7 99.7 99.7 99.7 55.7 GE GE 6031 72.5 99.0 99.3 99.3 99.7 99.7 99.7 97.7 96.0 98.3 97.0 99.7 99.7 99.7 99.3 99.3 100.0 100.0 100.0 4001 72.5 7001 72.5 75.3 95.3 96.3 98.7 98.7 99.3 107.0 GF 99.7 99.7 100.0 100.0 100.0 190.0 100.C 100.0 100.0 ĿΕ 100.0 100.0 100.0 35.3 2001 72.5 96.3 98.7 99.3 99.7 99.7 100.0 100.0 100.0 100.7 100.0 ΰE 1001 72.5 25.3 96.5 98.7 99.3 99.7 99.7 100 C 100.0 170.0 100.0 100.C 100.0 100.0 150. 01 72.5 95.3 96.3 99.7 100.0 100.0 100.0 1gg.g 1gg.c 100.3 193.2 1. . ЬE 98.7 97.3 99.7

AD-A190 727 3/3 UNCLASSIFIED



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARD 1983.

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER:	22550C	ITATZ								MONTH	OF REC	HOURS	(LSTI:	1800-20	0.00
CEILING			• • • • • • • •	• • • • •	• • • • • • • •			IN STATE					•••••	• • • • • • •	••••••
IN   GE	GE	GE	GE	GE	GΕ	G E	GE	GE 74 21410	GE	GE	GΕ	GE	GE	GE	G€
FEET 1 10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0.
***********	-							_	<i></i>				2710		
										• • • • • • •	• • • • • • • •				
NO CEIL   25.9	33.8	33.8	34 • 1	34 • 1	34.1	34.1	34.1	34.1	34 • 1	34 • 1	34.1	34.1	34 • 1	34.1	34.1
GE 20060  31.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 180001 31.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 160001 31.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 140001 31.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 12000 31.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
	•				• • • • •								• • • •		7
GE 100001 47.6	66.2	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 90001 47.6	66.2	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 80001 47.6	66.2	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 70001 47.6	66.2	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 60001 47.6	66.2	66.6	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
		• •		0,	0.07					• • • •	0,,,	•••	0.07	0	0.00
GE 5-001 47.9	66.6	66.9	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500  48.6	67.2	67.6	68.3	69.0	69.D	69.0	69.0	69.0	69.D	69.0	69.0	69.0	69.0	69.0	69.0
GE 40001 50.0	68.6	69.0	69.7	70.3	76.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 35001 50.3	69.3	69.7	70.3	71.0	71.0	71.0	71.0	71.C	71.0	71.0	71.4	71.4	71.4	71.4	71.4
GE 3000 52.4	72.4	72.8	73.4	74 . 1	74.1	74 - 1	74.1	74.	74 - 1	74.1	74.5	74.5	74.5	74.5	74.5
				•		• • • •									
GE 2583  57.9	78.6	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	01.0
GE 2000  59.7	82.1	83.1	84 . 1	84.8	84.8	84.8	84.6	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2
GE 1800  61.4	84.1	85.2	86 • 2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.2	87.2	87.2
GE 15CC  63.4	97.2	88.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.7	90.7	93.7	90.7	90.7
GE 12001 66.6	93.4	94.5	96 . 2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2
											, , , ,			, , , , ,	
GE 10:01 66.6	94.8	96.2	97.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
GE 9001 66.6	94.8	96.2	97.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
GE 8001 66.6	94.8	96.2	97.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
GE 700 66.9	95.2	96.6	96.3	99.3	99.7	99.7	99.7	99.7	29.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 6001 66.9	95.2	96 •6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
							•							0-0	
GE 5501 66.9	95.2	96.6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 4CO  66.9	95.2	96.6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	170.0	100.0	100.0
GE 3001 66.9	95.2	96.6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 2001 66.9	95.2	96.6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1001 66.9	95.2	96.6	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
								•		. •			•		
GE 0166.9	95.2	96 .6	98 • 3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
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#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: JUL HOURS (LST): 2100-2300 VISIBILITY IN STATUTE MILES CE IL ING IN | GE FEET | 10 GE GE GE 2 1 1/2 1 1/4 GE 3 2 1/2 1 7/4 5/16 6 4 5/8 1/2 1/4 0 NO CEIL | 28.6 35.5 36.5 36.5 36.8 36 . 5 36 . 8 36 . 8 GE 200001 34.2 42.8 43.4 44.7 44.7 45.1 45.1 45.1 45.1 44.4 45.1 45.1 45.1 45 • 1 45 • 1 45.1 45.1 42.8 45.1 180001 34.2 44.4 44.7 44.7 45.1 45.1 45.1 45.1 45.1 45.1 45.1 45.1 45.1 45.1 BE 160001 34.2 43.4 45.1 45.1 45.1 45.1 44.4 44.7 44.7 45.1 45.1 45.1 140:01 34.2 44.7 45.1 45.1 GE 120001 34.2 43.4 44.4 44.7 44.7 45.1 45.1 45.1 45.1 45.1 45.1 45.1 72.4 72.4 72.4 72.7 72.7 72.7 GE 1000m) 52.6 GE 9000| 52.6 72.7 72.7 12.7 12.7 72.7 72.7 69.1 70.4 72.0 72.4 72.7 12.1 72.7 72.7 72.7 72.7 72 • 0 72 • 0 72.7 72.7 72.7 72.7 72.7 72.7 65.1 70.4 72.4 GE 80001 52.6 69.1 73.4 72.4 72.7 72.7 12.7 72.7 72.7 72.7 72.7 72.7 72.7 GE GE 70001 52.6 65.1 70.4 72.0 72.4 72.4 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.1 60001 52.6 72.7 50001 53.0 73.0 73.4 73.4 73.4 73.4 73.4 45001 53.9 40001 54.9 7C.7 73 • 7 74 • 7 74.0 75.0 74.0 75.0 74.3 75.3 74.3 75.3 74 • 3 75 • 3 74.3 75.3 74.3 75.3 74 • 3 75 • 3 74.3 75.3 74.3 75.3 74.3 GE 72.0 74.3 73.6 75.3 35001 55.6 30031 57.2 76.0 77.6 GĘ 75 . 3 75.7 77.3 75.7 77.3 76.0 77.6 76.0 77.6 GE 74.0 75.3 77.0 GĘ 25 601 59.2 77.3 78.3 79.9 80.3 80.6 80.6 80.6 80.6 80.6 89.6 80.6 93.6 80.6 8 C. 6 80.3 20001 67.9 81.6 83.6 83.9 85.2 83.9 84 • 2 85 • 5 84.2 84.2 84.2 84.2 84.2 84.2 85.5 84.2 84.2 85.5 86.3 84.2 81.6 GE 96.8 15001 64.8 90.1 99.5 90.5 90.8 91.1 91.1 GE 12551 66.8 91.1 92.0 95.1 95.7 95.7 96.1 96.1 96.4 96.7 96.7 96.7 96.7 96.7 10001 67.1 92.8 97,0 99.7 99.7 99.7 99.7 99.7 99.7 GE 94.7 98.7 98.7 99. 1 99.7 99.8 99.0 99.7 9001 67.1 8001 67.1 92.8 98.7 98.7 99.7 99.7 99.7 94.7 97.0 99.0 99.0 99.0 99.3 99.7 99.7 99.7 99.7 GE 99.7 GE 92.6 94.7 97.0 98.7 99.0 99.3 99.7 99.7 99.7 99.7 99.7 99.7 98.7 GĘ 7001 67.1 6001 67.1 92.8 94.7 97.0 98.7 99.3 99.C 99.3 99.7 99.7 99.7 99.7 GĒ 94.7 98.7 98.7 99.7 97.0 99.0 5001 67.1 92.8 94.7 98.7 98.7 99.0 1"0.0 100.0 100.0 100.0 100.0 100.0 106.0 GE GE 4001 67.1 7001 67.1 92.8 94.7 94.7 98.7 98.7 98.7 98.7 99.0 99.7 97.3 99.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 97.0 99.0 100.0 100.0 100.0 100.0 100.0 2001 67.1 1001 67.1 92.8 94.7 97.0 98.7 98.7 99.0 99. C 99.1 120.C 100.0 100.0 100.0 100.0 100.0 100.0 97.0 100.0 100.0 100.0 100.0 98.7 98.7 99.0 99.0 100.0 100.0 100.0 97.0 01 67.1 94.7 98.7 99.7 100.0 100.0 100.0 100.0 100.0 100.0 GE 92.8 98.7 99.0 99.C

TOTAL NUMBER OF OBSERVATIONS:

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## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIPILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 HOURS (LST): MONTH: JUL VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE 7.6 IN | GE FELT | 10 GE 4 GE GE 3 2 1/2 G { 5 ∕ 8 GE 4/16 5 1/2 1/4 O 6 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* NO CEIL | 27.0 33.9 34.7 74.7 34.7 GE 200001 32.4 42.0 42.5 42.6 42.7 42.8 42.8 42.9 42.9 42.9 42.9 42.9 42.9 43.0 43.0 47.9 42.9 47.0 GE 180001 32.4 GE 160001 32.4 41.4 42.0 42.5 42.5 42.6 42.6 42.7 42.8 42.8 42.8 42.8 42.9 42.9 42.9 42.9 42.9 42.9 42.9 42.9 42.9 43.0 43.0 43.0 43.0 GE 140001 32.4 42.0 42.5 42.7 42.8 42.A 42.9 42.9 42.9 42.9 42.9 93.D 43.0 120001 32.4 42.9 42.9 42.9 GE 41.4 42.5 42.6 42.7 42.8 42.6 42.9 42.9 42.9 43.0 43.0 63.7 65.7 GE 100001 46.7 64 . 6 65.3 65.3 65.5 65.6 65.7 65.9 65.9 64.8 65.8 65.8 90001 46.7 63.7 64.6 65.3 65.5 65.6 65.7 65.8 65.9 62.7 80001 46.7 62.7 65.7 65.7 65.8 65.9 GE 63.7 64 . 6 64.8 65.3 65.3 65.6 65.9 70001 46.8 64.7 65.3 65.5 64.9 GE 60001 46.8 62.7 63.7 65.3 65.4 65.5 65.7 65.7 65.8 65.8 65.8 66.0 GE 65.1 65.7 65.9 66.1 65.2 66 • 2 66 • 7 50601 47-1 63.1 64.1 65.3 65.8 66.1 66.3 66.3 66.4 45 00 | 47.5 40 00 | 48.7 GE 66.3 66.4 66.6 66.6 66.8 68.3 69.2 64.6 65.6 65.8 66.6 66.6 66.7 63.6 66.2 66.8 GE 67.0 67.8 67.9 68.1 68.1 68.1 68.2 66.2 68.6 68 .6 70 .7 68.8 70.9 GF 35 001 49.5 65.9 66.9 67.9 68.1 68.9 69.D 69.0 69.1 69.1 69.1 69.3 30001 51. GE 71.0 76.5 GE 25001 55.6 75 . 6 76.8 76.8 76.8 76.9 76.9 77.0 77.2 75.2 GE 2000| 57.9 1800| 59.2 78.5 79.6 81.8 79.9 82.1 80.5 80.6 80.7 80.9 83.1 80.9 83.2 80.9 81.0 81.0 81.1 81.1 81.2 80.6 92.7 82.9 83.2 A3.4 GE 84.2 93.1 86.9 93.4 15001 61.4 92.7 87.3 87.3 87.4 87.5 87.5 1200 | 64.4 92.4 93.0 93.A 93.9 93.9 GΕ 1°C0| 65.1 90.4 96.9 97.2 97.2 97.3 92.4 94 . 6 95.4 96.2 96.3 96.6 97.4 900| 65.2 800| 65.3 90.8 92.9 95.2 95.7 97.2 97.7 97.7 97.8 97.9 98.5 GF 96 · 8 97 · 3 96.9 97.5 97.7 97.9 98.0 98.4 98.5 98.2 96.4 98.1 GE 98.0 GE 7001 65.4 6001 65.4 99.0 99.2 93.6 97.8 96 . 2 97.0 98.0 99.0 98.0 98.2 98.5 99.4 5001 65.4 96.4 96.4 96.4 99.0 99.2 99.3 99.5 99.7 GE 71.5 93.8 99.4 99.5 99.6 97.2 98.1 98.3 98.6 99.7 4001 65.4 91.5 99.1 99.1 ng . 2 99.4 99.5 99.6 98.3 98.3 99.5 G€ 93.8 97.2 96.1 98.7 98.7 99.6 99.7 GE 91.5 93.8 97.2 99.2 99.4 99.5 99.5 2001 65.5 98.7 99.1 99.2 99.4 99.5 99.8 99.9 99.9 GE 91.6 93.9 96.4 97.3 98.2 98.4 99.6 99.2 GΕ GI 65.5 91.6 93.9 96.4 97.3 99.1 99.4 99.5 99.6 99.8 99.9 100.0 98.4

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

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STA	TION	NUMBE P:	225500	STATI	OR NAME:	ARKE	ANGELSK	USSR						DRD: 78			
												MONTH			(LST): (		
	LING	• • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • •
		l GE	ŒΕ	GE	58	GΕ	38	GE	GE	GŁ	GE E	ES GE	Gε	GΕ	GE	GE	GE
FE		1 10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0.0
		-								• • • • • • • •			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
• • •				••••									• • • • • • • •	• • • • • •			
NO	CEIL	17.0	26.3	27.3	28.0	28.0	28.0	28.0	28.C	28.3	28.3	29.3	28.3	28.3	28.7	28.7	29.7
GE	20000	20.3	31.0	32.3	33.3	33.3	33.3	33.3	33.3	33.7	34.0	34.0	34.0	34.0	34.3	34.3	35.3
GE	18C CO	20.3	31.0	32.3	33.3	33.3	33.3	33.3	33.3	33.7	34.0	34.C	34.0	34.0	34.3	34.3	35.3
GE	16000	20.3	31.0	32.3	33.3	33.3	33.3	33.3	33.3	33.7	34 . D	34.0	34.0	34.0	34 - 3	34.3	35.3
		20.3	31.0	32.3	33 • 3	33.3	33.3	33.3	33.3	33.7	34 • C	34.0	34.0	34.0	34.3	34.3	35.3
GE	12000	20.3	31.0	32.3	33.3	33.3	33.3	33.3	33.3	33.7	34.0	34.0	34.0	34.0	34.5	34.3	35.3
ĿΕ	10000	39.3	58.0	59.7	61.0	61.0	61.0	61.0	61.C	61.3	61.7	61.7	61.7	61.7	62.0	62.0	63.0
GĒ	9000	39.3	58.0	59.7	61.0	61.0	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	62.0	62.0	63.0
GE	8760	39.3	5 E . C	59.7	61.0	61.0	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	62.0	62.0	63.0
GE	7000	39.3	58.0	59.7	61.j	61.0	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	62.0	62.0	63.G
GE	60.00	39.3	58.0	59.7	61.0	61.0	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	62.0	62.0	63.0
GΕ	5000	39.7	58.7	60.3	61.7	61.7	61.7	61.7	61.7	62.C	62.3	62.3	62.3	62 • 3	62.7	62.7	63.7
GE	4500	40.7	55.7	61.3	63.0	63.C	63.G	63.D	63.C	63.3	63.7	63.7	63.7	63.7	64.0	64.0	65.0
GE	40.00	41.7	66.7	62.3	64.0	64.0	64.0	64.0	64.0	64.3	64.7	64.7	64.7	64.7	65.0	65.0	66.0
GE	35 CO	43.7	62.7	64.3	66 • Ü	66.0	66.0	66.0	66• G	66.3	66.7	66.7	66.7	66.7	67.0	67.0	68.0
GE	30 00	45.0	65.3	67.7	69 • 3	69.3	69.3	69.3	69.3	69.7	70.0	70.0	70.9	70.0	70.3	70.3	71.3
GE	25 CO	46.7	65.0	72.0	73.7	73.7	73.7	73.7	73.7	74 • C	74.3	74.3	74.3	74.3	74.7	74.7	75.7
GE		48.7	72.3	75.3	77.0	77.0	77.0	77.0	77.0	77.3	77.7	77.7	77.7	77.7	78.0	78.0	79.C
GE	16 CD	49.7	75.0	78.0	80.0	80.0	RC.D	80.0	80.C	80.3	80.7	87.7	80.7	80.7	81.0	81.0	82.0
ĠΕ	15 00	50.0	76.7	80.0	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0	83.0	83.0	93.3	83.3	84.3
GE	1200	53.0	84.3	88.0	90.3	90.3	90.3	90.7	91.0	91.3	91.7	91.7	91.7	91.7	92.0	92.0	93.0
GE	1000	53.3	87.0	90.7	93.7	93.7	93.7	94.0	94.3	94.7	95.0	95.0	95.0	95.0	95.3	95.3	96.3
GE	900	53.7	87.7	91.3	94.3	94.3	94.3	95.0	95.3	95.7	96.0	96.0	96.0	96.0	96.3	96.3	97.3
GE	8 CO	53.7	88.0	91.7	94.7	95.3	95.3	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3	98.3
ιξ	700	53.7	88.C	91.7	94.7	95.3	95.3	96.0	96.3	96.7	97.0	97.3	97.3	97.0	97.3	97.3	96.3
GE	6 G O	54.0	8 8 · 7	92.3	95 • 3	96.0	96.0	96.7	97.0	97.3	97.7	97.7	97.7	97.7	98.0	98.0	99.0
GE		54.0	88.7	92.3	95 • 3	96.0	96.0	96.7	97.C	97.3	97.7	97.7	97.7	97.7	98.0	99.0	99.0
GE		54.11	88.7	92.3	95.3	96.0	96.0	96 • 7	97.G	97.3	97.7	97.7	97.7	97.7	98.0	98.0	99.0
GΕ		54.0	88.7	92.3	95 • 3	96.0	96.0	96.7	97.C	97.3	97.7	97.7	97.7	97.7	98.0	98.0	99.0
GE		54.0	98.7	92.3	95.3	96.B	96.0	96.7	97.C	97.3	97.7	97.7	97.7	98.3	99.0	99.0	100.0
GE		54.0	98.7	92.3	95 • 3	96.0	96.0	96.7	97.0	97.3	97,7	97.7	97.7	98.3	99.0	99.0	106.0
GE		54.C	88.7	92.3	95.3	96.0	96.0	96 • 7	97.C	97.3	97.7	97.7	97.7	98.3	99.0	99.0	100.0

## PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

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S1 A	TION N	L'MBER:	225500	STATI	OR NAME:	ARKH	ANGELSK	USSR						RD: 78			
												HONTH			LSTI: (		00
	LING		•••••					VISI	BILITY	IN STATE	JTE MILE	E S	• • • • • • •	• • • • • • • •			
1	N I	G€	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GΕ	GΕ	GE	GE
FE	ET 1	10	6	5	4	3	2 1/2	5	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
• • •	• • • • • •	• • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • •
NO	CEIL I	14.1	22.8	22.8	23.2	23.5	23.8	23.8	24.5	24.5	24.5	24.8	24.8	25.5	26.2	26.2	26.8
GE	200 00 1	16.1	27.2	28.2	28.9	29.2	29.5	29.5	30.5	30.5	30.5	30.9	3n•9	31.5	32.2	32.2	33.2
	180001		21.2	28.2	28.9	29.2	29.5	29.5	30.5	30.5	30.5	30.9	30.9	31.5	32.2	32.2	33.2
	160001		21.2	28.2	28.9	29.2	29.5	29.5	30.5	30.5	30.5	37.9	30.9	31.5	32.2	32.2	33.2
	140001		27.2	28.2	28 • 9	29.2	29.5	29.5	30.5	30.5	30.5	39.9	30.9	31.5	12 • 2	32.2	33.2
GE	120001	16.1	21,2	28.2	28.9	29.2	29.5	29.5	30.5	30.5	30 • 5	37.9	30.9	31.5	32.2	32.2	33.2
GΕ	100601	30.9	52.7	53.7	54 • 4	54.7	55.4	55.4	56.4	56.4	56.7	57.0	57.0	57.7	58.4	58.4	59.4
GF	90001		52.7	53.7	54 . 4	54.7	55.4	55.4	56.4	56.4	56 . 7	57.0	57.0	57.7	58.4	58.4	59.4
ĞĒ	40001		52.7	53.7	54 • 4	54.7	55.4	55.4	56.4	56.4	56.7	57.0	57.0	57.7	58.4	58.4	59.4
GE	72001		52.7	53.7	54 . 4	54.7	55.4	55.4	56.4	56.4	56.7	57.0	57.0	57.7	58.4	58.4	59.4
٥E	60001	20.9	5 2.0	54.0	54.7	55.0	55.7	55.7	56.7	56.7	57.C	57.4	57.4	58.1	58.7	58.7	59.7
GE	scool	31.2	5 2 • 4	54.4	55 • ü	55.4	56.0	56.0	57.C	57.C	57.4	57.7	57.7	58.4	59.1	59.1	60.1
GE	45001	31.2	52.7	54.7	55 . 4	55.7	56.4	56.4	57.4	57.4	57.7	54.1	58 . 1	58 • 7	59.4	59.4	60.4
GE	40001	31.5	54.4	55.4	56 • 0	56.4	57.0	57.0	58.1	58.1	58 • 4	58.7	50.7	59.4	60.1	60.1	61.1
GE	35 00	32.6	56.4	57.4	58.4	58.7	59.4	59.4	60.4	60.4	60.7	61.1	61.1	61.7	62.4	62.4	63.4
6E	30 00 l	33.2	57.4	58.7	59.7	60.1	66.7	60.7	61.7	61.7	62.1	62.4	62.4	63.1	63.8	63.8	64.8
GΕ	25631	36.2	63.4	65.4	66.4	66.8	67.4	67.4	68.5	68.5	68.8	69.1	69.1	69.8	70.5	70.5	71.5
GE	20001		66.4	68.5	69.8	70.1	70.8	70.8	71.8	71.8	72.1	72.5	72.5	73.2	73.8	73.8	74.8
í.E	18 001	39.6	69.1	71.5	73.2	73.5	74.2	74.2	75.2	75.2	75.5	75.8	75.8	76.5	77.2	77.2	78.2
GΕ	15 00 1	41.3	72.5	75.5	77.5	78.2	78.9	78.9	79.9	79.9	80.2	87.5	80.5	81.2	81.9	81.9	82.9
GE	12001	45.6	81.2	84.2	86.9	87.6	88.3	88.6	89.6	89.6	89.9	90.3	90.3	90.9	91.6	91.6	92.6
CE	10001	46.0	82.9	86.2	88.9	89.9	90.6	90.9	91.9	91.9	92.3	92.6	92.6	93.3	94.0	94.0	95.D
GE		46.0	82.9	86.2	88.9	89.9	90.6	90.9	91.9	91.9	92.3	92.6	92.6	93.3	94.0	94.D	95.0
GE	9 601	46.3	83.2	86.6	89.3	90.3	96.9	91.3	92.3	92.3	92.6	93.0	93.0	93.6	94.3	94.3	95.3
GE	7001	46.6	84.2	87.6	90 • 3	91.6	92.6	93.0	94.C	94.0	94.3	94.6	94.6	95.3	96.3	96.0	97.0
GΕ	6001	46.6	84.6	87.9	90.6	91.9	93.0	93.3	94.3	94.3	94.6	95.0	95.0	95.6	96.3	96.3	97.3
GE	5 CO I	46.6	84.6	87.9	90 • 6	91.9	93.0	93.3	94.3	94.3	94.6	95.0	95.0	95.6	96.3	96.3	97.3
6E		46.6	84.9	88.3	91.3	92.6	93.6	94.0	95.C	95.0	95.6	96.0	96.0	96.6	97.3	97.3	98.3
GE		46.6	84.9	88.3	91.3	92.6	93.6	94.0	95.0	95.0	95.6	96.0	96.0	96.6	97.3	97.3	98.3
GE	2001	46.6	84.9	89.3	91.3	92.6	93.6	94.0	95.0	95.C	95.6	96.0	96.3	97.0	98.3	98.3	99.3
GE	1001	46.6	84.9	88.3	91.3	92.6	93.6	94.3	95.0	95.0	95.6	96.0	96.3	97.0	98.7	98.7	99.7
GE	01	46.6	94.9	88.3	91 • 3	92.6	93.6	94.0	95.0	95.C	95.6	96.0	96.3	97.0	98.7	98.7	100.0
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GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUGHY OBSERVATIONS

AIR WEATHER SERVICE/HAC

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STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: AUG HOURS (LST): 0600-0800 CE IL ING VISIBILITY IN STATUTE MILES GE GE GΕ Œ GΕ GΕ GΕ GE GE IN | FEET | GE GE GE 2 1 1/2 1 1/4 GE GE 3 2 1,2 3/4 10 5 5/8 1/2 5/16 1/4 a NO CEIL | 13.0 20.1 21.6 21.8 22.2 22.2 22.2 22.2 22.2 22.2 22.5 21.8 24.2 23.2 23.9 GE 200001 15.7 25.9 28.0 28.C 28.C 28.0 29.0 28.0 28.3 28.3 29.0 29.7 10.4 23.9 26 • 3 27.6 28.0 GE 187001 15.7 25.9 26.3 27.6 28.0 29.0 28.C 28.C 28.C 28.C 28.0 20.0 29.0 28.0 28.G 30.4 29.0 29.0 29.0 GE 160001 15-7 28.C 28.C 28.0 29.7 23.9 26.3 27.6 28.0 28.0 28.3 29.0 30.4 21.9 GE 140001 15.7 25.9 26.3 27.6 28.0 29.7 28.0 28.0 28.3 28.3 29.0 30.4 GE 120001 15.7 23.9 25.9 27.6 28.0 28.0 28.0 28.0 28.0 29.0 29.7 30.4 GE 100001 34.1 51.9 54.6 55.3 57.0 57.0 57.6 57.C 57.0 57.0 57.0 57.3 58.0 58.7 59.4 56 . 7 57.0 57.0 57.0 9000| 34.1 8000| 34.1 51.9 51.9 54.6 54.6 55 · 3 55 · 3 56.7 56.7 57.0 57.0 57.0 57.0 57.C 57.C 57.C 57.C 57.0 57.0 57.D 57.3 58.0 58.7 59.4 57.0 57.3 59.4 58.0 58.7 34.1 34.1 56.7 57.J 57.0 57.3 57.C 57.3 59.4 59.7 70001 51.9 54 .6 55 . 3 57.0 57.C 57.0 57.0 60001 52.2 50001 34.1 54.9 57.0 57.3 57.3 57.3 57.3 57.3 57.3 57.3 58.4 59.0 59.7 GE 52.2 55 . 6 57.7 GE GE 45 CO | 34.1 40 CO | 35.2 52.2 54.9 57.3 59.0 57.3 59.0 57.3 59.0 57.3 59.0 57.3 59.0 57.7 59.0 60.8 59.7 57.0 58.7 57.3 59.0 57.3 59.0 58.4 55 · 6 57 · 3 60.1 35 CO | 61.8 62.1 67.1 63.5 62.1 62.1 62.1 30001 37.9 58.0 61.1 63.5 64.5 65.2 65.9 67.6 70.0 71.0 73.4 űΕ 68 • 6 71 • 7 72 • 7 70.3 71.7 25001 43.0 70.0 70.3 70.3 70.3 70.3 70.6 71.0 72.4 73.0 64.5 70.3 2000| 44.0 73.4 74.4 78.2 66.9 73.0 73.4 74.4 73.4 74.4 78.2 73.4 73.4 73.4 73.7 74.1 74.7 75.4 76.5 76.1 77.1 74 · 4 78 · 2 74.4 78.2 GE 79.5 76 . 1 78.2 78.8 80.2 80.9 78 • 5 86 • 3 12001 46.8 87,4 GE 80.2 83.3 86.0 86.0 86.0 86.0 86.0 86.7 GE 10001 47.4 78.2 82.6 86 . U 89.4 89.8 89.6 89.8 89.8 89.8 90.1 90.4 91.1 91.8 92.5 9001 47.8 8001 47.8 79.2 89.4 90.4 90.8 90.8 91.1 93.5 90.8 93.8 91.1 93.5 90.8 97.8 91.5 92.2 92.8 GE 83.6 87.0 91.1 93.5 84.J 85.7 91.1 79.5 87.4 89.8 92.5 93.2 93.9 GE 92.2 93.2 93.5 95.6 97.3 700 | 49.1 81.2 89.8 93.9 94.2 94.9 96.2 6.01 48.8 98.0 93.5 93.9 93.9 GE 5001 48.8 82.3 87.0 91.1 94.5 94.9 94.9 94.9 94.9 95.2 95.6 96.2 97.3 98.0 95.2 95.2 95.2 GE GE 4051 48.8 3001 48.8 82.6 82.6 87.4 87.4 91.5 91.5 94.9 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.9 95.9 96.6 96.6 97.6 97.6 98.3 98.3 95.6 95.6 95.2 98.3 2001 48.8 87.4 91.5 93.9 95.2 95.2 97.3 1001 4P.8 95.2 95.6 97.3 99.7 87.4 91.5 93.9 94.9 95.2 95.2 96.6 GE C1 48.8 82.6 87.4 91.5 93.9 94.9 95.2 95.2 95.2 95.2 95.2 95.6 96.6 97.3 99.0 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

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STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: 78-87 MONTH: AUG HOURS(LST): 0900-1100 VISIBILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 GE C IN | GE FEET | 10 GE GE GE 2 1 1/2 1 1/4 GE CE 7/4 GΕ GE 1/4 5 1 5/16 6 5/6 1/2 NO CEIL | 13.3 20.7 21.0 GE 200001 17.3 25.7 25.7 26.4 26.0 26.0 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 25.7 26 • Ø 26.0 26.0 26.0 26 · 3 26 · 3 26.3 26.3 GE 180001 17.3 25.7 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 GE 160001 17.3 25.7 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.0 GE 120001 17.3 25.7 26 . 0 26.0 26.0 26.3 26.3 26.3 26.3 26.3 26.3 26.3 52.7 52.7 52.7 52.7 45.0 GĘ 100001 32.3 50.0 51.3 51.3 52 .G 52.3 52.3 52.7 52.7 53.0 53.0 53.0 53.0 53.3 9000| 32.3 8000| 32.3 49.0 50.0 52.3 51.3 53.0 53.0 53.0 GE 51.3 52.0 52.3 52.7 52.7 53.0 53.0 53.0 53.0 53.0 53.3 49.0 50.0 50.0 53.0 GΕ 51.3 51.3 52.0 52 • 3 52.3 52.7 52.7 70001 32.3 51.3 GE 51.3 52.0 52.3 52.3 52.7 52.7 53.0 53.0 6rool 32.3 50.0 GE 50001 32.3 49.0 50.0 51.3 52.0 52.7 52.7 52.3 53.0 53.0 53.0 45 00 | 32 · 3 4 · 00 | 33 · 3 4 9 • D 5 C • 3 52.0 52.3 53.7 52.3 53.7 52.7 54.0 52.7 53.0 53.0 53.3 GE 50.0 51.3 51.3 52.7 53.0 53.0 54.3 GE 52 • 7 52.7 51.3 54.0 54.3 ЬE 35001 33.7 51.0 53.3 53.3 54.7 54.7 55 · p 55.0 55.0 55.0 55.3 30001 35.0 54.0 GE 55 . 3 56.0 56.7 56.7 57.0 57.3 57.3 2500| 41.0 2000| 43.3 1800| 45.0 61.3 ĞΕ 66.0 70.7 73.3 62.7 64 • Ü 64 • FI 64.7 65.3 65.3 65.7 65.7 65.7 66.0 66.0 70.7 66.0 66.7 70.7 65.3 69.3 72.0 76.7 70.0 72.7 77.3 70 • 3 73 • C 70.3 73.0 77.7 70.7 73.3 GE 67.0 68.7 68.7 70 · C 72 · 7 70 • 3 73 • 0 71.3 73.3 GE 15001 47.7 GE 78.0 77.7 78.0 77.7 GE 12001 51.7 8 C . 3 83.3 85.3 86.0 88.0 GE GE 1rgg| 52.7 900| 53.3 e 3 • 7 e 5 • C 86.7 88.0 88.7 92.3 93.3 89 • 3 89.7 90.3 91.3 92.0 92.3 92.3 92.7 92.7 92.7 92.7 90.7 91.3 91.0 91.7 91.7 92.7 92.7 93.7 93.3 93.7 94.7 93.7 94.0 94.0 94.3 94.0 94.7 8 CO | 53.7 85.7 GE 94.3 94.7 94.7 95.0 95.0 95.0 95.D 95.7 GE GE 7001 53.7 86.0 89.3 92.7 93.0 94.0 95.0 96. G 96.3 96.7 97.7 96.7 91.0 98.3 97.0 97.0 97.0 97.7 60C| 54.0 96.0 89.7 GE 5001 54.0 86.3 93.3 95.3 96.3 98.0 98.7 98.7 98.7 GE 4 CO | 54.0 300 | 54.0 8 6 • 3 8 6 • 3 89.7 93.3 93.3 94.0 94.0 95.3 96 . 3 96 . 3 97.3 97.7 97.7 98.C 98.0 98.0 98.7 98.7 98.7 98.7 98.7 98.7 98.7 99.3 98.7 2001 54.0 H 6.3 89.7 93.3 94.0 95.3 97.3 97.7 98.0 98.0 99.3 99.3 99.3 100.0 89.7 98.0 GΕ 100 54.0 96.3 93.3 94.0 95.3 96.3 97.3 97.7 98.0 98.7 99.3 99.5 99.3 100.0 GΕ 01 54.0 86.3 89.7 93.3 94.0 95.3 96.3 97.3 97.7 98.0 98.0 98.7 99.3 99.3 99.3 106.0

TOTAL NUMBER OF OBSERVATIONS:

300

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATICA NAME: ARKHANGELSK USSR PERIOD OF RECOPD: 78-87 MONTH; AUG HOURS(LST): 1200-1400 CEILING GE GE 3 2 1 /2 VISIBILITY IN STATUTE MILES IN | GE FEET | 1 Œ GE 4 GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 GE GE 6 5 1/2 5/16 10 5/8 1/4 0 18.9 NO CEIL | 14.5 18.9 18.9 18.9 18.9 18.9 18.9 17.5 18.2 18.9 19.2 19.2 19.2 19.2 19.2 26.3 26.3 26.3 GE 200C01 18.5 24.9 25.6 26 . 3 26 . 3 26.3 26.3 26.3 26.3 26.3 26.3 26.3 26.6 26.6 26 • 6 26 • 6 26.6 26.6 26.6 26.6 25.6 GE 18000 14.5 26.6 26.3 26 · 3 26 · 3 26.3 26.6 26.3 26.3 GE 160001 18.5 24.9 26.3 26.3 26.3 26.3 26.3 26 . 6 26.6 26.6 26.6 26.6 24.9 25.6 26.3 26.3 26.3 26.3 14CLD| 19.5 26.3 26.3 26.3 26.6 26.6 ΰE 26.6 26.6 26.6 120001 18.5 47.8 47.8 47.8 47.8 GE 300001 34.3 45.5 47.6 47.8 47.8 47.8 48.1 47.8 47.8 47.8 47.8 GE GE 90001 34.3 45.5 46.5 47.8 47.8 47.8 47.8 47.8 48.1 48.1 48.1 48.1 48.1 8°CO| 34.3 45.5 46.5 47.8 48.1 48.1 48.1 70001 34.3 46.5 47.8 47.8 47.8 47.8 47.8 47.8 47.8 47.A 48.1 4 R . 1 48.1 48.1 48.1 46.5 47.8 50001 34.3 45.5 47.8 47.8 47.8 47.8 47,8 47.8 48.1 48.1 GE 46.5 47.8 47.R 48.1 48.1 48.1 GE GE 4500| 34.3 4000| 36.7 45.5 46.5 49.5 47.8 50.8 47.8 50.8 47.8 50.8 47.8 50.8 47.8 50.8 47.8 50.8 47.8 47.8 57.8 48.1 51.2 48.1 51.2 48.1 51.2 48.1 51.2 48.1 51.2 GE 35001 37.0 49.8 51.2 51.2 51.2 51.2 GE 30001 39.7 52.9 54.2 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.9 55.9 55.9 55.9 55.9 25601 53.5 68.7 72.4 72.4 70.4 71.7 71.7 72.1 72.4 72.4 72.4 72.7 72.7 72.7 72.7 GF 72.7 87.5 87.8 GE GE 2000| 58.6 1800| 59.9 76.4 78.8 78.1 79.5 79.8 80.5 83.8 80.5 80.5 80.5 81.1 84.5 86.1 81.1 81.1 81.1 81.1 84.5 83.2 87.9 81.1 82.5 83.8 84.5 8°.6 GΕ 1500| 61.3 82.5 88.6 88.6 89.2 89.2 89.2 89.2 86.9 88.2 89.6 88.6 17001 63.3 92.3 94.3 94.9 97.6 υE 10001 64.0 88.9 91.9 94.9 96.3 96.6 97.0 97.0 97.0 97.0 97.0 97.6 98.3 97.6 97.6 97.6 98.3 98.7 99.0 GE 9001 64.0 8001 54.0 85.6 85.9 92.6 95.6 97.0 97.3 97.6 97.6 97.6 97.6 97.6 98.3 98.3 98.3 GE 92.9 97.3 97.6 98.0 98.C 98.C 98.0 9R . 0 98.7 98.7 98.7 96.0 7001 64.0 90.2 93.3 90.3 99.0 99.0 GE 96.3 98.0 98.3 98.3 98.3 98.3 99.0 99.0 GE 5001 64.0 99.0 99.7 99.7 99.7 GE 96.6 93.9 97.0 98.3 98.7 99.0 99.0 99.0 99.0 99.7 99.7 99.7 99.7 97.0 97.0 97.0 9 C • 6 93.9 98.3 98.3 99.C 99.0 99.0 99.7 99.7 99.7 99.7 6E 98.7 99.0 99.C 99.7 GE 3631 64.0 99.7 99.C 98.7 99.0 2001 64.0 90.6 93.9 98.3 99.0 99.0 99.7 99.7 100-0 100.0 100.0 1001 64.0 96.6 93.9 99.0 97.0 98.3 98.7 99.0 99.0 99.0 99.7 99.7 100.0 100.0 100.0 31 64.0 GE 97.0 99.0 99.0 99.0 99.7 99.7 96.6 93.9 98.3 98.7 99.0 99.0 100.0 100.0 100.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

-						OR NAME:							MONTH	OF REC	HOURS	(LST):	1500-17	סט	
	ILING	• • •	• • • • •	• • • • • • • •	•••••		• • • • •	•••••		BILITY				• • • • • • •				•••••	•••
F	IN EET	į	6E 10	6E	G E 5	GE 4		6E 2 1/2	GE	GE 1 1/2	GE	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE O	
	CEIL			24.0	24.3	24 • 3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	
GE GE	20000 18700 16700 14000	10	26.7 26.7	3C+3 3C+3 3C+3	30.7 30.7 30.7 30.7	30 • 7 30 • 7 30 • 7 30 • 7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	39.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	30.7 30.7 30.7 30.7	
	12000			30.3	30.7	30 • 7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	
GE GE GE GE	60 BC			45.7 45.7 45.7 45.7 45.7	50.0 50.0 50.0 50.0 50.0	50.0 50.0 50.0 50.0 50.0	50.0 50.0 50.0 50.0	50.0 50.0 50.0 50.0 50.0	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3	50.3 50.3 50.3 50.3 50.3	
GE GE GE GE	45 L1 4 n G1 3 5 G1		40.3 40.3 43.7 45.0 43.3	49.7 49.7 54.6 55.3 59.7	50.0 57.0 54.3 55.7 60.0	50.0 50.0 54.3 55.7 60.0	50.0 50.0 54.3 55.7 60.0	50.0 50.0 54.3 55.7 60.0	50.3 50.3 54.7 56.0 60.3	5 g • 3 50 • 3 54 • 7 56 • C 60 • 3	50.3 50.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	50.3 5n.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	50.3 50.3 54.7 56.0 60.3	
GE GE GE	25 00 20 00 18 00	)   	60.7 65.0 66.7 69.3	75.7 81.3 85.0 81.3 93.3	76.7 82.7 86.3 88.7 95.3	76 • 7 82 • 7 86 • 3 89 • () 96 • 3	76.7 82.7 86.3 89.0 96.3	76.7 82.7 86.3 89.0 96.3	77.0 83.0 86.7 89.3 96.7	77.0 83.0 86.7 89.3 96.7	77.0 83.0 86.7 89.3	77.0 83.0 86.7 99.3	77.0 83.0 86.7 89.3	77.0 93.0 86.7 89.3 96.7	77.0 83.0 86.7 89.3 96.7	77.0 93.0 86.7 89.3 96.7	77.0 83.0 86.7 89.3 96.7	77.0 83.0 86.7 89.3 96.7	
GE GE GE GE	9 L ( 8 D ( 7 O (		71.7 71.7 71.7 71.7 71.7	94.7 94.7 94.7 94.7 95.0	97.0 97.0 97.3 97.3	98 • 3 98 • 3 98 • 3 98 • 7 99 • 0	98.3 98.3 98.3 98.7 99.0	98.3 98.3 98.3 98.7 99.0	98.7 98.7 98.7 99.0 99.3	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.3 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	98.7 98.7 98.7 99.0 99.7	
GE GE GE GE	4 D C 3 G C 2 C C		71.7 71.7 71.7 71.7 71.7	95.0 95.0 95.0 95.0 95.0	97.7 97.7 97.7 97.7 97.7	99.0 99.3 99.3 99.3	99.6 99.3 99.3 99.3	99.0 99.3 99.3 99.3 99.3	99.3 99.7 99.7 99.7 99.7	99.7 100.0 100.0 100.0	99.7 100.0 100.0 100.0 100.0	99.7 100.0 100.0 100.0	99.7 109.0 109.0 109.0	99.7 100.0 100.0 100.0	99.7 100.0 100.0 100.0	99.7 100.0 100.0 100.0	99.7 100.0 100.0 100.0	99.7 100.0 100.0 100.0	
GΕ		ı	71.7	95.0	97.7	99.3	99.3	99.3	99.7	100.0	100 • C	100.0	100.0	100.0	100.0	100.0	100-0	100.0	

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87 STATION NUMBER: 225500 STATION MANE: ARKHANGELSK USSR MONTH: AUG HOURS (LST): 1800-2000 ILING VISIBILITY IN STATUTE MILES CE IL ING GE GE 3 2 1/2 GE S G E 2 GF GF GE CF GF GE GE 1 1/2 1 1/4 GE 1/4 GE 5/16 FEET | GE 3/4 5/8 1 1/2 6 NO CEIL | 21.8 27.2 27.2 28.2 28.2 28.2 28.2 34.6 35.9 35.9 35.9 35.9 35.9 GE 200001 27.5 35.9 GE 180001 27.5 GE 160001 27.5 34.9 35.9 34.6 35.9 35.9 34.6 GE 146001 27.5 GE 12001 27.5 35.9 34.6 35 . 9 35.9 35.9 35.9 35.9 35.9 35.9 35.2 35.9 35.9 35.9 35.9 55.7 58.1 GE 100001 44.0 58 . 1 58.1 56.7 58 . 1 58.1 58.1 58.1 58 . I 58.1 58.1 58.1 58.1 58.1 GE 90001 44.0 55.7 56.7 58 • 1 58 • 1 58.1 58.1 58 • 1 58 • 1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 GE 55.7 55.7 56.7 56.7 58.1 58.1 58 - 1 58.1 58.1 58.1 58.1 58.1 58.1 70001 44.0 58.1 58.1 58.1 58.1 59 . 1 58.1 58.1 58.1 58.1 58.1 GΕ 58 . 1 58.1 58.1 GE 60001 44.0 55.7 GE 50001 44.6 56.4 57.4 58.7 SR . 7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 56.4 59.7 59 • 7 62 • 4 GE 45001 44.6 57.4 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 62.4 4501 47.3 61.1 62.4 67.4 62.4 62.4 62.4 62.4 63.1 GE GE 35031 48.0 60.4 61.7 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 66.1 66 . 1 66.1 66.1 66.1 66.1 G٤ 25 001 56.7 72.2 76.2 76.2 76.2 76.2 76 • 2 76.2 76.2 76.2 76.2 76.2 76.2 76.2 76.2 81.9 29001 61.4 18001 63.1 75.2 82.2 82.6 82.6 85.2 82.6 85.2 82.6 82.6 85.2 82.6 GΕ 82.6 82.6 82.6 82.6 82.6 82.6 85.2 85.2 GΕ 85.2 85.2 85.2 85.2 GŁ 15001 64.4 85.9 87.6 88.9 89.3 89.9 89.9 6E 12001 66.8 96.3 95.3 96.3 96.3 92.6 94 . 6 96 .G 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 94.3 95.5 95.3 1000 67.4 91.9 98.3 97.3 98.3 78.3 98.3 98.3 98.3 98.3 98.3 96 • 6 97 • 3 98.0 98.3 98.3 GE 9001 67.4 92.6 99.0 99.0 99.0 90.0 99.p 99.0 99.0 99.0 99.0 99.0 93.1 91.3 99.3 8001 67.4 99.3 99.3 99.3 99.3 99.3 99.3 GE GE 97.7 98.3 99.0 99.3 99.3 99.3 95.6 700| 67.8 600| 67.8 98.7 98 . U 99.3 100.0 ĿΕ 93.6 96.0 98.3 99.0 100.0 100.0 100.0 100.0 109.0 100.0 100.0 100.0 100.0 5001 67.8 91.6 96.0 98.3 99.0 99.7 100.0 100.C 100.C 100.0 100.0 100.0 100.0 100.0 100-0 100.0 91.6 4001 67.8 3001 67.8 99.0 98.5 96.0 99.7 100.0 GΕ 100.0 100. C 100.0 100.C 100.0 100.0 100.0 100.0 100.0 96.5 98.3 99.0 99.7 100.0 100.0 100.C 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2031 67.8 1031 67.8 96.0 96.3 99.0 99.7 100.0 100.0 100.0 100.0 100.2 190.0 100.0 100.0 100.0 100.0 98 . 3 100.0 130.6 100.0 96.3 99.0 100.0 100.0 100.0 99.7 106.0 100.0 100.G 01 67.8 93.6 98.3 99.0 Gŧ 99.7 100.0 100.6 100.6 100.0 100.0 100.0 100.0 100.0

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PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: AUG HOURS(LST): 2100-2300 G VISIBILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 GE GE 1 7/4 IN | GE FEET | 10 GE GE GE 2 1 1/2 1 1/4 EΕ GΕ GE GE 5 4 1/2 6 5/8 5/16 1/4 8 NO CEIL | 21.9 30.5 30.5 30.5 30.5 30.5 30.5 30.5 GE 200001 27.5 37.4 37.7 36 . 4 38.7 36.7 38 . 7 38.7 38.7 38 . 7 38 - 7 38.7 38.7 38.7 38.7 3P . 7 UE 18000] 27.5 UE 16010] 27.5 GE 14000] 27.5 17.4 17.4 37.4 38.7 39.7 38.7 38.7 37.7 38 • 4 38.7 36.7 38.7 38.7 38.7 38.7 38.7 38 • 7 38.7 37.7 37.7 38.7 38.7 38.7 38.7 38 . 4 38.7 38.7 38.7 38.7 38 . 7 38.7 38.7 GE 120001 27.5 38.7 GE 100001 40.7 57.9 59.6 60.3 60.6 60.6 60.6 60.9 60.9 60.9 67.9 60.9 60.9 60.9 60.9 60.9 90001 40.7 80001 40.7 70001 40.7 59.6 60.6 60.9 57.9 60.3 60.6 63.6 60.9 60.9 60.9 GE 60.9 60.9 60.9 60.9 57.9 57.9 59.6 60.6 67.9 60.3 60.6 60.6 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.6 60.9 60.9 GΕ 6C • 3 60.6 60.9 60.9 60.7 63.9 63.9 60.9 60.9 60001 43.7 59.6 60.9 60.9 60.9 GE 50601 41.4 60.3 60.9 61.6 62.3 65.6 45001 41.4 59.3 62.6 60.9 64.2 61.6 64.9 61.9 65.2 61.9 65.2 62.3 65.6 62.3 62.3 65.6 67.3 62.3 65.6 62.3 65.6 62.3 65.6 GE 61.9 62.3 65.6 υĒ 65.2 66.6 35401 44.7 67.2 67.9 66.9 69.9 6E 25401 55.0 15.2 76.2 76.5 76.8 76.8 73.5 75 . 8 76.5 76.8 76 . 8 76.8 76.8 76.8 76.8 76.8 2000| 52.0 1800| 53.3 76.2 78.1 79.1 81.1 79.5 81.5 8J.1 82.1 ĢΕ 78.5 79.8 87.1 82.1 79.8 80.1 80.1 80.1 80.1 80.1 GE 83.5 81.8 82.1 82.1 82.1 82.1 82.1 82.1 82.1 83.1 85.4 93.7 80.1 17691 57.9 θĒ 9 ( . 4 93.7 96.0 96.7 97.0 97.4 98.0 98.3 98.3 99.3 98.3 94.3 98.3 98.3 98.3 7001 57.9 ADD 58.3 93.7 94.3 94.7 97.0 97.7 θE 96.4 96.7 97.4 98.3 98.3 99.0 90.3 98.3 96 . U 97.4 98.0 98.4 98.7 98.3 98.3 98.3 98.3 98.3 96 • 7 97 • 7 96.7 99.0 99.0 99.0 99.0 99.0 99.0 99.0 7601 31.4 99.0 99.7 100 · C 100.0 107.0 100.0 100.3 100.0 100.0 100.0 GE 100.0 5401 58.9 GF 91.4 94.7 97.7 98.3 99.7 100 • C 100.0 100.0 100.0 100.0 103.0 100.0 GE 4301 59.9 71.4 94.7 97.7 98.3 98.3 98.7 99.0 99.7 100 • C 100.0 100.0 100.0 100.0 190.0 100.0 100.0 3001 58.9 97.7 96.7 99.7 100.0 100.0 100.0 100.0 100.0 100.0 120.0 100.0 6E 2001 58.9 91.4 94.7 97.7 98.3 98.7 99.0 99.7 100 · C 170.0 100.0 100.0 100.0 100-0 99.0 98.7 109 - 2 170.0 100.0 100.0 100.0 100.0 100.0 98.3 GΕ 91.4 98.7 99.0 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0

## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

		-•			OK NAME:							MONTE		HOURS	(LST):	ALL	
	LING	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • •				IN STATE			• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • • •
		GΕ	Œ	GE	GΕ	GE	38	GE	GE	SE SE	GE TE	GE	GF	GE	Gξ	Gξ	GΕ
		10	6	υ <u>ς</u> 5	4		2 1/2		1 1/2		1	3/4		1/2	5/16	1/4	36
	•	10	6	5	4	3			1 1/2	1 1/4	1	-	5/B		5/16	174	J
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •			• • • • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
NO	CEIL	17.1	23.5	24.0	24.5	24.5	24.6	24.7	24.7	24.8	24.8	24.8	24.9	25.0	25.2	25.3	25.5
68	100005	21.2	25.4	30.2	30.7	31.C	31.1	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.7	31.8	32.2
GE	180001	21.2	29.4	30.2	30 • 7	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.7	31.8	32.2
	160001		25.4	30.2	30.7	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.7	31.8	32.2
	141601		25.4	30.2	30 • 7	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.7	31.8	32.2
	120001		29.4	30.2	30 • 7	31.0	31.1	31.1	31.2	31.3	31 • 3	31.4	31.4	31.5	31.7	31.8	32.2
				3 (	50	3.00	,	2	,,,,	3	31.73	3	3.0.	3203	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	31.0	,,,,,
6.0	100001	17.n	52.6	53.9	54 . 8	55.0	55.2	55.3	55.5	55.6	55.7	55.7	55.8	55.9	56.1	56.2	56.6
GE	10000		52.6	53.9	54.8	55 • n	55.2	55.3	55.5	55.6	55.7	55.7	55.8	55.9	56.1	56.2	56.6
GE	80001		52.6	53.9	54 • 8	55.0	55.2	55.3	55.5	55.6	55.7	55.7	55.8	55.9	56.1	56.2	
6E	70001		52.6	53.9	54.8	55.0	55.2	55 • 3	55.5	55.6	55.7	55.7	55.8	55.9	56.1	56.2	56•6 56•6
66	60.001		52.6	53.9	54.9	55.1	55.3	55.4	55.6	55.7	55.7	55.8	55.9	56 • n	56.2	56.3	56.7
O.	0	1	72.0	33.7	34.7	23.1	93.3	33.4	33.0	3341	2341	3547	, 3 . 7	30 • E	3002	30.3	3001
GE.	52631	37.3	52.9	54.2	55 • 2	55.4	55.6	55.7	55.9	55.9	56.0	56.1	56.2	56.3	56.5	56.6	57.0
υE	45001		5 1 • 2	54.5	55 • 4	55.7	55.9	56.0	56.2	56.2	56.3	56.4	56.4	56.6	56.8	56.9	57.2
GE	40001		55.5	56.9	57.6	58 - 1	58.3	58.4	58.5	58.6	58.7	59.8	58.8	59.0	59.2	59.3	59.6
GE	35 60 1		57.C	58.4	59.4	59.7	59.9	60.0	60.1	60.2	60.3	60.3	60.4	60.6	60.8	60.8	61.2
GE	30001		55.6	61.1	62 • 1	62.4	62.6	62.7	62,9	63.C	63.1	63.1	63.2	63.3	63.5	63.6	64.0
O.	3000,		3,40	0	02.01	02.4	02.0	0241	0247	6346	0341	0,	0342	03.3	03.03	0.5.0	0.10
GE	25 00 1	48.5	68.7	70.6	71.6	71.9	72.2	72.4	72.5	72.6	72.7	72.7	72.9	73.0	73.2	73.3	73.7
GE	20001	51.3	73.C	75.1	76 • 3	76.7	77.0	77.1	77.3	77.4	77.5	77.5	77.7	77.8	78.0	78.1	78.5
űΕ	18 601		75.5	77.7	79 . U	79.4	79.7	79.9	80.0	80.1	80.2	80.2	80.4	80.5	80.7	80.8	81.2
GE	15001		78.4	80.9	82.7	83.2	83.5	83.8	83.9	84.0	84.1	84.2	84.3	84.5	84.7	84.8	85.2
G.E	12001		85.0	8 P . G	90 • 2	90.9	91.3	91.6	92. Ć	92.1	92.2	92.2	92.4	92.5	92.7	92.8	93.2
-	•		_									, - , -					
ĿĘ	10001	57.6	87.2	93.4	93.0	93.8	94.3	94.7	95.0	95.1	95.2	95.3	95.4	95.6	95.8	95.9	96.3
GΕ	9 63 1	57.7	87.6	91.ü	93.6	94.3	94.8	95.3	95.6	95.7	95.8	95.9	96.0	96.1	96.4	96.4	96.9
GΕ	1003	57.9	56.1	91.3	93.9	94.8	95.3	95.8	96.1	96.2	96.3	96.4	96.5	96.6	96.9	96.9	97.4
GΕ	7001	58.1	A 8 . 7	91.9	94 . 8	95.7	96.2	96.7	97.1	97.2	97.3	97.4	97.5	97.7	97.9	97.9	98.4
6E	6301	58 • 2	85.0	92.4	95 • 3	96.2	96.8	97.2	97.7	97.8	97.9	97.9	98.2	98.3	98.5	98.6	99.0
												•					
GΕ	riol	58.2	85.1	92.4	95 • 3	96.3	96.9	97.3	97.7	97.9	98.0	99.0	98.2	98.4	98.6	98.7	99.1
ΘE	4 001	53.2	89.2	92.5	95.5	96.4	97.0	97.5	97.9	98.C	98.2	90.2	98.5	98.6	98.8	98.9	99.3
GE	3.51	58.2	89.2	92.5	95.5	96.4	97.0	97.5	97.9	98 . C	78.2	99.2	98.5	98.6	98.8	98.9	99.3
GE	2 30 1	59.2	89.2	92.5	95.5	96.4	97.0	97.5	97.9	98.0	98.2	99.2	98.5	98.9	99.2	99.4	99.8
GE	1001	59.2	85.2	92.5	95 . 5	96.4	97.0	97.5	97.9	98 . C	98.2	99.2	98.5	98.9	99.3	99.5	99.9
													<del>-</del>				
GE	11	58.2	85.2	92.5	95 • 5	96.4	97.0	97.5	97.9	98.C	98.2	99.2	98.5	98.9	99.3	99.5	100.0
•••	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:	2255CC	STATI	OR NAME:	ARKE	ANGELSK	USSR					OF FEC		-87 (LST): (	0000-02	00
		• • • • • •		• • • • •										• • • • • •	
CEILING								IN STATE							
IN   GE	Œξ	GE	GE	GE	GE	GΕ	GΕ	GE	GE	GE	G€	GΕ	GΕ	GE	GE
FEET   10	ŧ	5	4	3	2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0
	• • • • • •	• • • • • •	• • • • • • • •	• • • • •	• • • • • • •	• • • • • • •			• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • •
NC CEIL   18.6	26.7	26.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4	29.4	28.4	28.4	28.4	28.8	29.5
GE 200001 20.4	28.8	28.6	29.8	30.5	36.5	30.5	30.5	30.5	30.5	37.5	30.5	30.5	30.5	30.9	31.6
GE 185001 20.4	28.8	28.6	29.8	30.5		30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.9	31.6
					30.5										
GE 16000 20.4	26.8	28.8	29.8	30.5	30.5	30.5	30.5	30.5	30.5	37.5	30.5	30.5	30.5	30.9	31.6
GE 140 GO   20.4	28.8	28.8	29 • 8	30.5	30.5	30.5	30.5	30.5	30.5	37.5	30.5	30.5	30.5	30.9	31.6
GE 127001 20.4	26•€	28.8	29.8	30.5	30.5	30.5	30.5	30.5	30 • 5	37.5	30.5	30.5	30,5	33.9	31.6
GE 100001 35.8	51.2	51.9	54 • Ü	54.7	54.7	54.7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.8	56.5
GE 90001 35.8	51.2	51.9	54.0	54.7	54.7	54.7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.8	56.5
GE 8CG31 35.8	51.2	51.9	54.0	54.7	54.7	54 . 7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.8	56.5
GE 7000 35.8	51.2	51.9	54.0	54.7	54.7	54.7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.8	56.5
GE 67001 35.8	51.2	51.9	54.0	54.7	54.7	54 . 7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.8	56.5
,		- • •	3.00		3	•									
GE 50001 36.1	51.9	52.6	54.7	55.4	55.4	55.4	55.4	56 • 1	56.1	56.1	56.1	56.1	56.1	56.5	57.2
GE 4500  36.5	52.3	53.0	55 • 1	55.8	55.8	55.8	55.8	56.8	56.8	56.8	56.8	56.8	56.8	57.2	57.9
GE 40001 37.2	5 2 • 3	54.6	56 • 1	56.8	\$6.8	56.8	56.8	57.9	57.9	57.9	57.9	57.9	57.9	58.2	58.9
6E 35001 38.6	55.8	56.5	58.6	59.3	59.3	59.3	59.3	63.4	60.4	69.4	60.4	60.4	60.4	60.7	61.4
GE 3:001 40.0	57.9	58.6	60.7	61.4	61.4	61.4	61.4	62.5	62.5	62.5	62.5	62.5	62.5	62.8	€3.5
GE 25 001 42.5	63.2	64.2	66 • 3	67.0	67.0	67.0	67.C	68.1	68.1	69.1	68 - 1	68.1	68.1	68.4	69.1
GE 20001 44.2	67.0	68.1	70.2	77.9	70.9	70.9	73.9	71.9	71.9	71.9	71.9	71.9	71.9	72.3	73.D
GE 18 CO   45.3	8.33	70.2	72.6	73.3	73.3	73.3	73.3	74.4	74.4	74.4	74.4	74 4	74.4	74.7	75.4
GE 15001 47.4	74.4	75.è	78.6	79.3	79.3	79.3	79.3	80.4	80.4	87.4	83.4	83.4	80.4	80.7	81.4
GE 12001 49.8	81.8	83.5	87.4	88.1	68.1	88 . 1	88.1	89.1	89.5	87.5	89.5	89.5	39.5	89.8	96.5
GE 10001 50.5	86.3	68.4	92.6	93.7	93.7	94 • 0	94.0	95.1	95.4	95.4	95.4	95.4	95.4	95.8	96.5
66 9001 10.5 66 8001 50.5	96.3	88.4	93.6	94.0	94.0	94.4	94.4	95.4	95.8	95.9	95.8	95.8	95+8	96.1	96.6
	° 6.3	88.8	93.3	94.4	94.4	94.7	94.7	95.8	96.1	96.1	96.1	96.1	96.1	96.5	97.2
GE 7001 50+5	36.3	9.68	93.3	94.4	94.4	94.7	94.7	95.8	96.1	96 • 1	96.1	96.1	96.1	96.5	97.2
GE 6001 51.5	86.3	89.1	93.7	94.7	94.7	95.1	95.1	96.1	,96.5	96.5	96.5	96.5	96.5	96.8	97.5
BE 5001 50.5	36.3	89.1	93.7	94.7	94.7	95.1	95.1	96.1	96.5	96.5	96.5	96.5	96.5	96.8	97.5
UE 403 51.5	A 7.5	89.8	94.4	95.4	95.4	95.8	95.8	96.8	97.5	97.5	77.5	97.5	97.5	97.9	98.6
GE '07  50.5	87.J	89.8	94.4	95.4	95.4	95.8	95.8	96 • 8	97.5	97.5	97.5	97.5	97.5	97.9	98.6
GE 2001 50.5	87.0	89.8	94 . 4	95.4	95.4	95.8	95.6	96.8	97.5	97.5	97.5	97.9	98.2	98.6	99.3
PE 1001 20.5	= 7 . 0	89.8	94.4	95.4	95.4	95.8	95.8	96.8	97.5	97.5	97.5	97.9	98.2	99.6	99.3
GE 01 50.5	9 7 • O	89.8	94.4	95.4	95.4	95.8	95.8	96.8	97.5	97.5	97.5	97.9	98.2	98.6	100.0
TOTAL NUMBER OF															
· VINC HUNDER UP	OD SER A	- 1 1 0 11 3 2	283												

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-67

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

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												MONTH			(LST):		CO
		• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • •	• • • • • • • •						• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •
	ILING							VISI	BILITY	IN STATE		E \$					
	IN	l GE	Œ	GE	GΕ	GE	GE	GE	GE	GŁ	GE	G E	GE	GE	GE	G€	GE
F	EET	1 10	6	- 5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	e
NΩ	CEIL	1 14.7	20.0	21.1	21.1	21.4	21.4	21.4	21.6	22.1	22.1	27.1	22.1	23.2	23.9	24.2	24.6
	CLIC		2000			2.4.	2	2		22.1		2		.,			
	20000		23.2	24.2	20. 3	24.6	24.6	24.6	24.9	25.3	25.3	25.3	25.3	26.3	27.0	27.4	21.7
	20000				24 • 2												
	16.00		2 2 • 2	24.2	24.2	24.6	24.6	24.6	24.9	25.3	25.3	25.3	25 • 3	26.3	27.0	27.4	27.7
	15000		2 2 • 2	24.2	24 . 2	24.6	24.6	24.6	24.9	25.3	25.3	25.3	25.3	26.3	27.0	27.4	21.7
	14000		23.2	24.2	24.2	24.6	24.6	24.6	24.9	25.3	25.3	25.3	25.3	26.3	27.0	27.4	27.7
GE	12066	1 17.5	23.2	24.2	24 . 2	24.6	24.6	24.6	24.9	25.3	25.3	25.3	25.3	26.3	27.0	27.4	27.7
GE	10000	33.7	46.7	47.7	48.1	49.1	49.1	49.1	49.5	49.9	49.8	40.8	49.8	50.9	51.6	51.9	52.3
GE		33.7		47.7	48 - 1	49.1	49.1	49.1	49.5	49.8	49.8	49.8	49.8	50.9	51.6	51.9	52.3
GE		33.7		47.7	48.1	49.1	49.1	49.1	49.5	49.8	49.8	49.8	49.8	50.9	51.6	51.9	52.3
6E		33.7		47.7	48.1	49.1	49.1	49.1	49.5	49.8	49.8	49.8	49.8	50.9	51.6	51.9	52.3
GE.		33.7	46.7	47.7	48 • 1	49.1	49.1	49.1	49.5	49.8	49.8	49.8	49.8	50.9	51.6	51.9	52.3
UE	6	1 2241	46.7	4/.1	40.1	77.1	47.1	47.1	4763	47.0	47.0	47.0	47.0	30.9	31.0	3147	32.3
GΕ		1 34.0		48.1	48.4	49.5	49.5	40.5	49.8	50.2	50 • 2	50.2	50.2	51.2	51.9	52,3	52.6
GE		34.7		48.8	49.1	50.2	50.2	50.2	50.5	51.2	51.2	51.2	51.2	52.3	53.0	53.3	53.7
ĿΕ		35.e	45.5	50.5	50.9	51.9	51.9	51.9	52.3	53.C	53.0	53.0	53.0	54.0	54.7	55.1	55.4
GŁ	35 00	1 36.8	51.6	52.6	53.0	54.0	54.0	54 ∙ 🛭	54.4	55.1	55.1	55.1	55.1	56.1	56.8	57.2	57.5
ÚΕ	30:00	1 36.8	52.6	53.7	54 • C	55.1	55.1	55.1	55.4	56.1	56.1	56.1	56.1	57.2	57.9	58.2	58.6
GE	25.00	39.3	57.9	58.9	59.3	60.4	6C.4	60.4	60.7	61.4	61.4	61.4	61.4	62.5	63.2	63.5	63.9
GΕ		41.1	62.5	63.5	64.2	65.3	65.3	65.3	66. C	66.7	66.7	66.7	66.7	67.7	68.4	68.8	69.1
ĞĒ		42.1	64.6	66.5	66 . 7	67.7	67.7	67.7	68.4	69.1	69.1	69.1	69.1	70.2	70.9	71.2	71.6
GΕ		44.6	65.1	70.9	72.6	73.7	73.7	13.7	74.4	75.1	75 . 4	75.1	75.1	76.1	76.8	77.2	77.5
GE		47.0							85.3					87.0	87.7		88.4
UE	12 60	1 4/.0	71,2	79.3	83·2	84.6	84.6	84.6	62.3	86.C	86.C	86.0	86.0	6740	61.1	88.1	00.4
								_									
GE		47.7	85.7	82.8	86.7	68.4	88.4	88.4	89.1	89.8	89.8	89.5	89.8	90.9	91.6	91.9	92.3
CE		48.1	81.1	83.5	87.4	89.1	89.1	89.1	89.8	90.9	90.9	90.9	90.9	91.9	92.6	93.0	93.3
GE		48.1	81.4	83.9	87.7	89.5	89.5	89.5	90.2	91.2	91.2	91.2	91.5	92.3	93.0	93.3	93.7
G€	7.0	49.1	81.8	84.6	88 • 4	90.2	90.2	90 • 2	90.9	91.9	91.9	91.9	91.9	93.0	93.7	94.0	94.4
G€	650	49.1	92.5	85.3	89.5	91.2	91.2	91.2	92.3	93.7	73.7	93.7	93.7	94.7	95.4	95.8	96.1
GE	5.00	48.1	82.5	85.3	89.5	91.2	91.2	91.2	92.3	93.7	73.7	93.7	93.7	94.7	95.4	95.8	96.1
űE		48.1	82.5	85.6	89.6	91.6	91.6	91.6	92.6	94 • C	94.0	94.0	94.B	95 • 1	95.8	96.1	96.5
GE		48.1	92.5	85.6	89.8	91.6	91.6	91.6	92.6	94.0	94.0	94.0	94.0	95.1	95.8	96.1	96.5
GE		1 48.1	82.5								94.0	94.0	94.G	95.8	97.5	97.9	98.2
		48.1		85.6	89.8	91.6	91.6	91.6	92.6	94.0					97.5	97.9	
GÉ	1 [3	, 48.1	82.5	85.6	89.6	91.6	91.6	91.6	92.6	94.C	94.0	94.0	94.0	95.8	41.0	41.4	100.0
	_									•							
٥E	0	48.1	82.5	85.E	89.8	91.6	91.6	91.6	92.6	94.C	94.0	94.0	94.0	95 • 8	97.5	97.9	100.0
• •	• • • • • •	• • • • •	•••••	• • • • • • •		• • • • •			• • • • • • •				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	********

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### PEHCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC
STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

					OR NAME:		· · · · <del>-</del>	•				PEP10D Month	OF REC	HOURS	(LST): (		oc
	LING	• • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••		BILITY				••••	• • • • • • •	• • • • • • •		
Ī		GE	GE	GΕ	GE	GE	GE	GΕ	GE	GΕ	GE	GE	G£	GE	GE	GE	GΕ
FE	ET j	10	ι	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	G
• • •	• • • • • •				• • • • • • • •				• • • • • • •				• • • • • •				
NO I	CEIL	12.0	16.5	16.5	16.5	16.9	16.9	16.9	16.9	16.9	16.9.	17.3	17.3	17.6	18.0	18.0	16.7
GE .	100001	13.4	19.3	19.0	19.4	19.7	19.7	19.7	19.7	19.7	19.7	20.1	20.1	20.4	20.6	20.8	21.8
GE	180001	13.4	19.0	19.0	19.4	19.7	19.7	19.7	19.7	19.7	19.7	20.1	20.1	20.4	20.8	20.8	21.8
GE	162091	13.4	15.5	19.0	19.4	19.7	19.7	19.7	19.7	19.7	19.7	23.1	27.1	20.4	20.8	20.8	21.8
GE	140001	13.4	15.3	19.0	19.4	19.7	19.7	19.7	19.7	19.7	19.7	20.1	20.1	20.4	20.8	20.8	21.8
GE .	120001	13.4	15.0	19.0	19.4	19.7	19.7	19.7	19.7	19.7	19.7	20.1	20.1	20.4	20.8	20.8	21.8
	100001		4 6.8	41.5	43.0	44.7	44.7	44.7	44.7	45.1	45.1	45.4	45.4	46.1	46.5	46.5	47.5
GE	30001		46.8	41.5	43.5	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	46.5	46.8	46.8	47.9
CE	80.001		45.8	41.5	43.3	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	46.5	46.8	46.8	47.9
GE	70001		40.8	41.5	43.3	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	46.5	46.8	46.8	47.9
GE	60 CO	26.1	4 ( . 8	41.5	43.3	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	46.5	46.8	46.8	47.9
GE	50001	26.1	4 C • 8	41.5	43.3	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	46.5	46.8	46.8	47.9
GE	45 E C		41.2	42.3	44.0	45.8	45.8	45.8	45.8	46.1	46.1	46.5	46.5	47.2	47.5	47.5	48.6
ĞĒ	40001		44.4	45.4	47.2	48.9	48.9	48.9	48.9	49.3	49.3	49.6	49.6	50.4	50.7	50.7	51.8
GE	35 00 1	28.9	45.8	46.8	48.6	50.4	50.4	50.4	50 - 4	50.7	50.7	51.1	51.1	51.8	52.1	52.1	53.2
GE	30001	29.6	47.2	48.2	50 · J	51.8	51.8	51.8	51.8	52.1	52 • 1	52.5	52.5	53.2	53.5	53.5	54.6
										_							
GE	25001	31.0	5 C • Ü	51.4	53.5	55.3	55.3	55.6	55.6	56 • C	56.0	56.3	56.3	57.0	57.4	57.4	58.5
űE	20.001		56.G	57.7	60.6	62.3	62.3	62.7	62.7	63.C	63.0	63.4	63.4	64.1	64.4	64.4	65.5
GE	18 00		57.7	59.5	62.7	64.4	64.4	64.8	64.8	65.1	65.1	65.5	65.5	66,2	66.5	66.5	67.6
GE.	15001		61.6	63.7	66.9	68.7	68.7	69.0	69.0	69.4	69.4	69.7	69.7	70.4	70.8	70.8	71.8
ÿΕ	12001	38.7	67.3	70.4	74 • 3	76.1	76.4	77.1	77.1	77.5	77.8	78.2	78.2	78.9	79.2	79.2	80.3
GE	1000]	39.1	70.4	74.6	79.9	82.C	82.4	83.5	83.5	84.2	84.9	85.2	85.2	85.9	86.3	86.3	87.3
6E	9001	39.4	71.5	75.7	81.0	83.1	83.8	84.9	84.9	85.6	86.3	86.6	86.6	87.3	87.7	87.7	88.7
GE	8 co i	39.4	71.8	76.8	82.0	84.2	84.9	85.9	86.3	87.C	87.7	89.0	88 . D	89.7	89.1	89.1	96.1
ĠĘ	7001	39.8	72.5	77.5	83.8	85.9	87.0	88.0	88.4	89.1	89.8	90.1	90.1	90.8	91.2	91.2	92.3
GĒ	6001	39.8	73.2	78.5	85 • 6	87.7	88.7	89.8	90.1	90.8	91.5	91.9	91.9	92.6	93.0	93.0	94.0
GE	r co l	30.8	71.2	78.9	85.9	88.0	89.1	90.1	90.5	91.2	91.9	92.3	92.3	93.0	93.3	93.3	94.4
GE		39.8	7 2 . 2	78.9	85.9	89.0	89.1	90.1	90.5	91.2	71.7	97.3	92.3	93.0	93.3	93.3	94.4
GE		39.8	72.2	78.9	85.9	88.0	89.1	90.1	90.5	91.2	91.9	97.3	92.3	93.0	93.3	93.3	94.4
GE		39.8	72.2	78.9	85.9	88.0	89.1	90.1	90.5	91.2	91.9	92.3	92.3	93.7	94.4	94.4	95.4
GE		39.8	73.2	78.9	85.9	88.D	89.1	90.1	90.5	91.2	91.9	92.3	92.3	93.7	94.4	95.4	98.9
				. •				. • . •					• • •	•			
G€		39.8	73.2	78,9	85.9	89.0	89.1	90 • 1	90.5	91.2	91.9		92.3	93.7	94.4		100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: SEP HOURS (LST): 0900-1100 . . . . . . . . . . . . . ........................ CE IL ING ς Ε 2 VISIBILITY IN STATUTE HILES GF ΘE GE GF GE GE 1 1/2 1 1/4 ĪΝ GE GE G.F GF GF FEET 10 3 2 1/2 1/2 5/16 1/4 NO CEIL | 11.4 14.8 16.6 16.6 16.6 16.9 16.9 16.9 16.9 16.9 16.9 16.9 17.2 17.2 20.0 GE 260001 13.4 17.6 19.3 19.3 19.3 19.7 19.7 20.0 20.0 20.0 20.0 20.3 20.3 20.3 26.3 19.3 19.3 19.7 19.7 20.0 20.0 20.0 20.3 GE 180001 13.4 17.6 19.3 20.0 20.C 20.0 20.3 20.3 20.3 160001 13.4 17.6 19.3 19.3 20.C 20.C 20.0 20.3 20.3 140001 13.4 17.6 19.3 19.5 19.3 19.7 19.7 20.0 20.0 20.0 20.0 20.0 20.3 20.3 20.3 20.0 120001 13.4 20.0 20.0 17.6 19.3 19.3 20.0 20.0 20.3 20.3 20.3 20.3 100001 26.9 40.0 43.8 46.2 46.2 44.8 45.2 45.2 45.2 45.5 45.5 46.2 46.2 46.2 46.9 46.9 46.9 46.6 GE 90001 26.9 42.0 48.0 43.8 44.8 45.5 45.5 46.2 46.2 46.2 46.2 46.6 46.9 46.9 46.9 46.2 46.2 46.2 46.2 46.6 46.2 GE 63001 26.9 40.0 43.8 44.8 45.2 45.5 45.5 46.2 46.2 46.2 46.2 46.2 46.6 46.9 46.9 46.9 GF 50 ani 27.2 4 6 . 3 44.1 45.2 45.5 47.2 47.2 47.2 45.9 45.9 46.6 46.6 46.6 46.6 46.6 46.9 4560| 27.2 4000| 27.9 45.2 45.9 46.6 47.6 46.6 46.3 44.1 45.5 46.6 46.6 46.6 46.9 47.2 47.2 ĢE 68 41.4 45.2 46.2 46.6 46.9 46.9 47.9 48.3 48.3 4 R . 3 47.9 49.3 48 .6 35 001 48.3 48.6 49.3 50.0 50.0 GE 29.0 43.1 46.9 50.0 30001 31.0 50.7 51.4 51.4 55.2 GE 25001 33.1 49.0 52.8 53.8 54.5 55.2 55.2 60.3 55.5 55.9 55.9 55.9 GE 20001 35.2 5 3 . 4 57.2 58 . 6 59.3 59.7 59.7 63.3 60.3 67.3 62.4 60.3 60.7 61.0 63.1 61.0 61.0 GE 18001 36.2 55.5 59.3 60.7 61.4 61.7 61.7 62.4 62.4 62.4 63.1 GE GE 37.6 63.8 65 • 2 76 • 6 65.9 66.2 66.2 66.9 78.6 66.9 78.6 66.9 79.0 66.9 79.0 66.9 67.2 15061 10001 42.1 71.4 76.6 81.7 83.1 83.4 84.1 GE 82.4 84.1 44.5 84.5 84.5 85 . 2 85.5 85.5 85.5 GE 9001 42.1 8001 42.1 73.1 78.6 85.9 86 • 2 87 • 6 86.9 88.3 86.9 87.2 88.6 87.2 88.6 87.2 88.6 87.9 89.3 88.3 88.3 89.7 88.3 78.6 84.8 86.2 7001 42.4 89.3 89.7 90.0 90.0 90.7 93.3 92.4 GE 6 CO | 42.4 73.4 79.7 86 . 6 88.6 89.3 90.0 90.3 90.7 90.7 92.1 92.4 92.4 GE 92.4 94.8 94.8 93.8 96.2 96.2 5001 42.B 74.5 90.7 91.7 92.4 94.1 80.7 87.9 89.3 94.0 92.1 92.4 94.1 94.1 96.6 GE 4001 42.8 TCJ 42.8 75.5 75.5 93.8 93.8 94.1 94.5 94.8 96.6 96.6 96.9 81.7 89.0 90.7 91.7 92.4 96.6 96.6 96.9 81.7 89.0 90.7 91.7 92.4 96.9 GE 2001 42.8 93.8 94.1 94.5 94.8 94.8 96.6 90.7 91.7 02.4 1001 42.8 75.5 81.7 94.8 96.6 97.2 97.6 99.3

TOTAL NUMBER OF OBSERVATIONS: 290

75.5

81.7

01 42.8

89.0

90.7

91.7

92.4

93.8

94.1

94.5

94.8

94.8

96.6

97.2

97.6

100.3

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: SEP HOURS (LST): 1200-1403 VISIBILITY IN STATUTE MILES CEILING SE GE 3 2 1/2 GE GE 1 1/2 1 1/4 GE C.F GF GF FEET | 10 2 3/4 5/8 5/16 1/4 6 1 1/2 O NO CEIL | 11.3 13.1 13.1 13.1 GE 200001 14.5 18.4 18.4 18.4 18.4 18.4 18.4 17.4 17.4 18.4 18.4 18.4 18.4 18.4 18.4 18.4 GE 180001 14.5 GE 160001 14.5 17.4 18.4 18.4 18.4 18.4 18.4 18.4 18.4 17.4 18.4 18.4 18.4 18.4 18.4 16.4 18.4 18.4 18.4 18.4 GE 140001 14.5 GE 120001 14.5 17.4 17.4 18.4 18.4 16.4 18.4 18.4 18.4 18.4 18.4 18.4 18.4 44.0 GE 100001 31.6 42.6 42.9 44.0 44.0 44.0 44.0 44 . C 44.C 44.0 44.0 44.0 44.0 44.0 44.0 9200| 31.6 8000| 31.6 7000| 31.6 42.9 42.6 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44 • C 44.0 44.0 44.0 GE 42.6 44.C 44.0 44.0 44.0 44.0 44.0 44.0 42.9 44.0 44.0 42.6 44.0 44.0 44.0 44.0 44.0 GE 44.C 44.0 44.0 44.0 44.0 44.0 6000| 31.6 44.0 44.0 44.0 44.0 44.0 42.9 44.3 44.3 GF 50001 31.9 44.3 44.3 44.3 44.3 44.3 44.3 44.3 44.3 44.7 44.7 44.7 44.7 44.7 44.7 47.5 GE 45001 32.3 43.6 44.7 44.7 44.7 44.7 44.7 44.7 40001 35.1 46.1 46.5 47.5 47.5 47.5 47.5 47.5 GΕ 35001 35.1 46.5 46.8 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 47.9 30001 36.5 49.6 49.6 49.6 49.6 48.2 48.6 49.6 49.6 49.6 49.6 GE 25001 42.9 57.8 58.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 GE 2000 48.6 1800 50.7 64.9 66.4 65.2 66 • 7 7C • 2 66.7 66.7 70.2 66,7 66.7 66.7 70.6 66.7 66.7 66.7 70.6 66.7 66.7 66.7 66.7 76.6 GE GE 1500| 52.5 1200| 55.7 87.9 A 3 . 3 87.2 87.9 87.9 91.5 92.9 95.0 91.8 93.3 95.4 GE 10001 56.0 84.0 86.2 90.8 91.5 92.2 92.2 92.2 92.2 92.2 92.6 92.6 92.6 92.6 93.6 93.6 96.1 9001 56.4 8001 56.7 94.4 87.2 92.2 93.6 94.0 94.3 94.3 93.6 93.6 94.3 96.1 GE 85.1 88.3 93.5 95.0 96.1 96.5 96.8 96.8 96.8 7001 56.7 6001 56.7 96.1 97.2 97.5 GΕ 95.4 95.7 96.8 96.8 96.8 97.5 97.5 85.5 88.7 93.6 95.4 96.5 GE 96.8 97.5 97.9 GE 5031 56.7 85.8 87.0 94.0 95.7 97.5 97.5 97.5 97.9 98.2 98.2 4001 56.7 3031 56.7 97.9 98.2 98.2 98.6 98.2 98.6 98.2 98.6 98.6 98.9 98.9 GE GE 95.8 89.0 94.3 96.1 96.5 96.8 98.9 98.9 89.0 94.3 96.1 96.5 96.8 99.3 99.3 2001 56.7 1001 56.7 98.9 99.6 99.6 94 . 5 94 . 3 96.1 96.1 96.5 96.8 97.9 98.2 98.6 98.6 28.6 ... 98.6 123.0 97.9 98.2 96.5 96.8 GE 01 56.7 85.8 89.3 94.3 97.9 98.2 98.9 100.0 96.1 96.5 96.8 98.6 98.6 100.0 100.0 98.6

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 5	STATION NAME:	ARKHANGELSK	USSR					OF RECO				
							MONTH:			LST1: 1	1500-17	<b>00</b>
## * * * * * * * * * * * * * * * * * *	• • • • • • • • • • • • • •							*****	• • • • • •		*****	
CEILING IN   GE GE	GE GE	GE GE		GE GE	IN STATU GE					_		
FEET   10 6	5 4	3 2 1/2	6E	1 1/2		GE 1	GE 3/4	GE	GE	GE	GE	GE
· -			• • • • • •	1 1/2				5 / 8	1/2	5/16	1/4	o.
***************************************	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •		
NO CEIL   12.4 15.8 1	15.8 15.8	15.8 16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
GE 200001 14.4 18.9 1	19.2 19.6	19.6 19.9	19.9	19.9	19.9	19.9	10.9	19.9	19.9	19.9	19.9	19.9
GE 180 CO   14.4 18.9 1	19.2 19.6	19.6 19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
	19.2 19.6	19.6 19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
	19.2 19.6	19.6 19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 120001 14.4 18.9 1	19.2 19.6	19.6 19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
GE 100CO1 28.5 46.2 4	41.2 41.9	42.3 42.6	42.6	43.C	43.C	43.0	41.0	43.0	43.0	43.0	43.0	43.0
GE 90001 28.5 4C.2 4		42.3 42.6	42.6	43.0	43.C	43.0	43.0	43.D	43.0	43.0	43.0	43.0
	41.2 41.9	42.3 42.6	42.6	43.C	43.C	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 7000 28.5 46.2 4	41.2 41.9	42.3 42.6	42.6	43.C	43.C	43 • D	47.0	43.0	43.0	43.0	43.0	43.0
GE 60C01 28.5 4C.2 4	41.2 41.9	42.3 42.6	42.6	43.C	43.C	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 50001 29.5 40.2 4	41.2 41.9	42.3 42.6	42.6	43.0	43.C	43.D	43.0	43.0	43.0	43.0	43.0	43.0
		44.3 44.7	44.7	45 · p	45.C	45.0	45.0	45.0	45.0	45.0	45.0	45.0
		48.1 48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
UE 35 cm   34.7 48.5 4	49.5 50.5	50.9 51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 3000  38.1 52.9 5	54.U \$5.U	55.3 55.7	55.7	56.0	56.C	56.0	56.0	56.0	56.0	56.0	56.D	56.0
GE 25cg1 48.1 66.3 6	67.7 69.1	69.4 70.1	70.1	70.4	70.4	70.4	79.4	70.4	70.4	70.4	70.4	70.4
	75.6 77.3	77.7 78.4	78.4	78.7	78.7	78 . 7	78.7	78.7	78.7	78.7	78.7	78.7
		79.4 80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	8C.8
GE 15001 54.3 79.7 8	81.4 83.8	84.5 85.6	85.6	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200  56.7 84.9 8	37.6 90.7	91.8 92.8	92.8	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.8
GE 17001 57.0 86.3 6	89.5 93.1	94.5 95.5	95.5	95.9	96.2	96.6	95.6	96.6	96.6	96.6	96.6	96.9
		95.2 96.2	96.2	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.6
GE 8COI 57.0 86.3 8		95.2 96.2	96.2	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.6
	90.0 94.5	96.2 97.3	97.6	98.3	98.6	99.0	90.0	99.0	99.0	99.0	99.0	99.3
GE 6001 57.0 86.6 9	90.0 94.8	96.6 97.6	97.9	98.6	99.C	99.3	99.3	99,3	99.3	99.3	99.3	99.7
		96.9 97.9	98 - 3	99.0	99.3	,99.7	99.7	99.7	99.7	99.7	99.7	100.0
		96.9 97.9	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
		96.9 97.9	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
		96.9 97.9	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
	90.C 94.8	96.9 97.9	98.3	99.C	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 0/57.0 86.6 9	•	96.9 97.9	98.3	99.C	99.3	99.7	99.7	99.7	99.7	99.7		100.0

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 HONTH: SEP HOURS(LST): 1800-2000 . **. . . . . . . . . .** . . VISIBILITY IN STATUTE MILES CE IL ING GE GŁ GE GE GE GE GE GE 1 1/2 1 1/9 GE GF GE GE GE FEET | 10 3 2 1/2 3/4 5/16 5 5/8 1/2 NO CEIL | 15.3 19.8 19.8 19.8 19.8 19.8 19.6 15.4 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 GE 200001 19.4 24.7 25.0 25.3 25.3 25.7 25.7 25.7 25 • 7 25.7 25.7 25.7 25.7 25.7 25.7 GE 180GC[ 19.4 GE 160C0| 19.4 GE 142GU| 19.4 25.7 25.7 24.7 24.7 25 • 3 25 • 3 25.3 25.3 25.7 25.7 25.7 25.7 25.7 25 · 7 25 · 7 25.7 25.7 25.7 25.0 25.7 25.7 25.7 25.0 25.7 25.7 25.7 25.7 25 · 3 25 · 3 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25.7 GE 12000 19.4 25.7 25.7 GE 10000| 35.4 49.3 49.7 49.7 49.7 50.0 50.0 50.0 50.0 50.0 50.0 50.0 90001 35.4 80001 35.4 76001 35.4 47.6 49.6 49.3 49.3 49.7 49.7 49.7 49.7 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 G€ 48.6 49.3 49.3 49.7 49.7 50.0 50.0 50.0 50.3 50.0 50.3 50 . C 50.3 50.0 50.3 49.7 6E 6com1 35.4 47.6 48.6 49.3 49.3 50.0 50.C 50.0 50.3 57.3 50.3 50.3 50.3 50.3 50.3 GE 50001 35.1 48.6 49.7 50.3 50.3 50.7 51.0 51.0 51.0 51.4 51.4 51.4 51.4 51.4 51.4 51.4 53.8 53.8 53.5 53.8 53.5 55.6 53.8 53.8 55.6 GE 45GO1 38.5 40CO1 39.2 51.0 52.1 52.4 52.8 53.1 53.5 53.5 53.8 54 · 5 57 · 6 55.6 58.7 LΕ 53,8 54.5 55.2 55.2 55.2 55.6 55.6 55.6 58.7 G€ 35 CO | 41.7 55.9 58.0 63.9 58.3 58.3 58 . 3 58.7 58.7 58.7 58.7 58.7 30001 45.5 71.9 71.9 77.8 G€ 25001 50.0 68.4 69.8 70.8 70.8 71.2 71.5 71.5 71.5 71.9 71.9 71.9 71.9 71.9 2000| 52.1 1800| 52.8 1500| 53.5 1200| 56.3 74.0 76.0 79.2 85.4 77.4 79.9 77.8 60.2 75.3 77.4 76 • 7 78 • 8 76 • 7 79 • 8 77.4 79.9 77.4 77.8 77.8 77.8 6E 77.1 77.8 77.8 79.5 79.9 80.2 80.2 80.2 GE 80.2 80.2 80.6 82.6 91.3 82.6 91.3 83.3 92.0 83.7 92.7 84.4 93.8 84.4 93.8 93.8 84.4 93.8 10001 57.6 91.7 98.5 94 . 8 96.2 96.9 GE 9031 57.6 8001 57.6 94.8 94.8 96.9 97.2 97.2 97.6 98.3 98.3 98.3 98.3 98.3 98.3 98.3 97.2 97.2 68.5 92.3 97.6 98.6 98.6 98.6 98.6 98.6 96.5 93.6 98.6 GE 98.6 7601 98.6 99.3 98 • 6 99 • 3 GE GE 6001 57.6 88.9 95.5 95.5 96.9 98.3 98.3 99.3 99.3 99.3 5001 57.6 98.9 98.3 98.3 52.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 92.4 95.5 95.8 97.9 95.5 96.9 95.8 95.8 4cmi 57.6 3col 57.6 97.2 97.2 GE 88.9 92.4 98 • 6 99.7 99.7 99.7 99.7 99.7 99.7 98.6 98.3 95.8 GΕ 8 ĉ. 9 98.3 98.6 98 • 6 99.7 99.7 99.7 99.7 99.7 99.7 2001 57.6 88.9 92.4 95.6 95.8 97.2 98.3 98.6 98.6 99.7 99.7 99.7 100.D 100.0 100.0 100 57.6 98.6 99.7 99.7 99.7 100.0 6E 01 57.6 88,9 92.4 95.8 95.8 97.2 99.3 98.6 98.6 99.7 99.7 99.7 99.7 100.0 100.0 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: 78-87 MONTH: SEP HOURS (LST): 2100-2300 VISIRILITY IN STATUTE MILES CE IL ING IN | GE FEET | 10 GE GE GE GE 2 1 1/2 1 1/4 GE GE 3 2 1/2 6 5 4 1 3/4 5/8 1/2 5/16 1/4 a NO CETL | 20.6 28.0 28.3 28.4 30.4 30.4 30.4 GE 200001 22.3 3C.1 30.4 30.4 37.4 30.4 33.4 30.4 3n.1 30.4 30.4 30.4 30.1 30.4 30.4 30.4 30.4 30.1 30.4 30.4 30.4 30.4 30.4 30.4 30 . 4 30.4 GE 180CO1 22.3 30.1 30.1 30.4 30.4 30.4 30.4 50.4 30.4 GE 160001 22.3 36.1 30.1 30.1 30.4 30.4 30.4 30.4 30.4 30 . 4 30.4 30.4 30.4 10.4 30.4 30.4 30.4 30.4 30.4 30.4 30-4 30.4 30.4 30.4 30.4 30.4 3 C - 4 GE 100001 34.5 50.0 52.0 53.4 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 90001 34.5 52.0 52.0 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7 5:.0 53.4 53.7 53.7 53.7 53.7 80001 34.5 70001 34.5 53.7 5 C . C 53.4 53.7 53,7 53.7 53.7 53.7 53.7 53.7 7000 34.5 60001 34.5 5C.3 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 GE 52.4 53.7 54.1 54.1 54.1 54.1 54.1 54.1 54.1 52.4 52001 35.5 53.4 55.1 55.1 55.1 55.1 55.1 55.1 55.1 55.1 GE GE 45 CO1 36.1 40 CO1 36.8 55.4 57.4 56 . 8 58 . 8 57.1 59.1 57.1 57.1 59.5 57.1 59.5 5 2 . 4 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 59.1 59.5 55.4 59.1 59.1 59.5 59.5 6E 35 001 37.8 56.8 60.1 60.5 6 C . 5 60.5 60.8 60.8 63.2 60.8 63.8 63.8 60.8 63.2 66.8 30001 38.5 63.2 63.2 59.1 61.1 62.8 63.2 63.2 63.2 ĿΕ 62.5 62.8 62.8 62.8 25401 42.9 67.2 69.3 71.6 71.6 71.6 12.C 72.0 72.0 72.0 72.0 71 . 3 71.6 72.0 72.0 72.0 GE 71.6 72.0 77.7 20001 43.6 18001 43.6 74.6 74.0 74.3 74.0 74.C 74.3 74.3 74.7 74.3 74.3 74 • 3 74 • 7 74.3 74.7 74.3 65.3 73.6 GE GE 65.3 74 . G 74.7 15 001 45.6 81.4 90.4 8 Q. I 80.4 80.4 80.4 1.09 80.1 80.1 GE 12001 48.6 82.1 86.1 88.9 89.9 90.2 90.2 93.2 90.2 90.2 90.2 90.2 95.6 95.9 GE 10001 51.4 96.5 93.9 93.9 94.6 94.9 95.3 95.9 95.9 95.9 95.9 95.9 95.9 95.9 96.6 97.6 900| 51.4 800| 51.4 700| 51.4 95.9 96.6 97.6 96.6 97.2 81.5 91.6 92.6 92.6 95.3 96.3 96.6 96.6 97.6 GΕ 95.6 96.6 96.6 96.6 94 .6 GE 95.6 96.3 96.6 97.0 97.3 97.6 97.6 97.6 97.6 97.6 98.3 97.0 97.0 94.0 87.5 96.6 97.3 98.C 98.C 98.0 98.0 98.0 ĿΕ 97.6 98.0 GE 97.5 500| 51.4 87.5 92.9 96.3 97.0 97.3 97.6 98.0 98.3 98.3 94.3 98.3 98.3 98.3 4001 51.4 3001 51.4 87.5 87.5 92.9 98.0 99.0 99.0 99.0 GE 96.3 97.0 97.6 98.6 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 96.3 97.0 98.6 99.C 99.0 99.0 97.6 99.0 99.0 2001 51.4 97.5 92.9 96.3 95.0 99.0 99.0 99.0 99.3 99.3 99.3 99.3 99.0 99.0 100.0 GE 96.3 97.6 98.0 99.0 100.0 100.0 98.6 01 51.4 # 7.5 96 . 3 97.0 97.6 98.0 99.0 99.0 99.0 99.3 100.0 100.0 100.0

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 78-87 MONTH: SEP HOURS (LST): VISIBILITY IN STATUTE MILES CE IL ING GE GE GE 2 1 1/2 1 1/4 IN | GE FEET | 10 GΕ 3 2 1/2 5/16 6 3/4 5/8 1/2 1/4 0 20.1 20.2 20.3 20.3 23.5 NO CETL 1 14.6 ¿ D • 3 20.3 29.7 20.9 GE 200001 16.9 22.5 22.9 23.3 23.5 23.6 23.7 23.8 23.8 23.8 24.5 23.6 23.8 24.0 24.2 24.3 GE 180001 16.9 GE 16-001 16.9 23.8 24.0 24.0 22.9 23.3 23.5 23.6 23.6 23.8 24.2 24.3 24.5 22.5 23.5 23.6 23.6 23.7 23.8 23.8 23.8 24.7 24.3 24.3 GE 140001 16.9 24.2 23.9 GE 120001 16.9 GE 100001 31.6 44.9 46.2 47.3 47.9 48.0 48.0 48.2 48.4 48.4 49.5 48.5 48.7 48.9 49.0 49.2 90001 31.6 80001 31.6 46.2 46.2 47.4 47.9 47.9 46.1 48.1 48.1 48.1 48.4 48.5 48.5 48.5 48.8 49.3 49.3 GE 44.9 48.2 48.9 49.0 48.2 48.3 48.3 48.4 44.9 49.0 48.5 GE GE 70001 31.6 46.3 44.9 47.4 48.0 48.1 48.2 48.5 48.6 48.8 49.0 49.1 49.4 60001 31.6 48 . 8 49.C 50001 31.9 49.0 49.1 49.1 49.3 49.5 49.6 49.8 46 • B 47 • 8 50 • J 45001 32.7 46.5 49.J 49.5 49.7 49.7 51.9 50.2 52.5 50.5 52.7 GE 49.9 50.2 50.2 50.2 50.7 50.8 51.0 52.4 52.9 52.1 52.4 52.5 53.0 53.2 53.6 35 001 35.3 30 001 37.0 56.5 51.9 53.8 56.9 57.0 56.6 5 ! • 1 55 . 7 56.3 56.4 56.5 57.5 57.8 GΕ 25001 41.2 60.0 64.C 64.3 64.9 65.1 61.6 63.0 63.5 63.7 63.8 64.3 64.4 64.4 64.6 64.8 20001 43.9 18001 44.7 65.2 69.1 69.6 70.C 70.0 70.0 70.3 70.4 70.5 72.8 70.8 73.0 66.8 68.5 70.6 69.3 69.4 69.9 GE GE 72.2 72.2 17.4 12.2 17.4 72.5 77.7 15001 46.5 12001 49.2 75.7 76.3 76.6 68.1 GE 10001 50.2 61.8 85.1 89.2 90.3 95.7 91.1 91.4 91.8 92.2 92.2 92.2 92.6 92.7 92.8 9 5 . 1 93.3 9001 5c.3 9001 50.4 82.3 82.5 85.8 86.3 96 • 1 96 • 7 91.2 92.0 91.7 92.5 92.1 93.3 92.5 93.4 92.9 93.3 94.2 93.3 94.2 93.7 94.6 93.9 GE 94.0 94.3 94.9 95.2 86.7 87.1 92.7 95.5 95.8 96.6 96.1 96.9 úΕ 93.2 93.7 94.1 94.7 95.0 95.1 95,7 6001 50.5 5001 50.5 97.0 97.3 94.2 4601 50.5 7001 50.5 2401 50.5 81.4 83.4 87.6 87.6 94.5 94.7 95.2 95.8 95.9 96.4 96.8 96.9 97.0 76.9 97.0 97.3 97.4 97.7 97.6 97.7 GE 92.6 98.0 92.6 98.3 92.6 95.9 96.9 98.2 1001 50.5 94.0 95.9 96.4 96.9 98.1 01 50.5 97.7 98.7 100.0 87.6 96.9 97.0 97.0 98.4 GΕ 92.6 94.6 94.7 95.2 95.9 96.4

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): 0000-0200 CE IL ING VISIBILITY IN STATUTE MILES GE O GE GE Œ GE GE GE GE GE GE GE GF GE 1/4 FEET 2 1 1/2 1 1/4 10 6 5 4 3 2 1/2 1/2 5/16 NO CEIL | 14.8 17.9 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 GF 200001 16.2 15.2 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 GE 18000 15.2 GE 18000 16.2 19.2 19.2 19.6 140601 16.2 19.2 19.6 19.6 19.6 19.6 19.6 19.6 19.6 GΕ 19.6 19.6 19.6 19.6 19.6 19.6 GE 120001 16.2 19.6 19.6 UE 100001 25.8 35.4 36.4 36.4 36.8 36 .8 36 . 4 36.8 36.8 36.8 36.8 36.8 36.8 36.8 36.8 36 . 8 GE GE 90001 25.8 87001 25.8 35.4 36 • 4 36 • 4 36.4 36.4 36.8 36.8 36 .8 36 .8 36.8 36.8 36.8 36.8 36.8 37.1 36.8 36.8 36.8 36.8 36.8 36.8 36.8 36.4 36.8 36.8 36.4 36.8 36.8 70001 26.1 6E 35.7 36 . 6 36 . 8 37 . 1 36.8 37.1 37.1 37.1 37.5 37.1 37.1 37.1 37.1 GΕ 37.1 60001 26.1 37.5 37.5 37.5 Ŀξ 50001 26.5 16.8 37.8 37.8 37.8 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 45CO| 26.8 4COO| 27.8 35CO| 28.9 37.5 38.5 39.2 39.2 GΕ 38.5 39.5 38 . 8 39 . 9 38.8 39.2 39.2 39.2 39.2 39.2 39.2 GE 39.9 40.2 40.2 40.2 40.2 40.2 40.2 40.2 40.5 49.9 41.2 41.2 41.2 41.2 GE 30001 30.2 42.3 43.6 44.0 44.0 44.3 44.3 44.3 44.3 44.3 44.3 44.3 2500| 34.7 2000| 37.1 1800| 37.8 UΕ 48.8 50.2 50.5 50.5 50.9 50.9 50.9 50.9 50.9 57.9 50.9 50.9 50.9 50.9 50.9 54.6 ijΈ 5 3 . 3 56.4 58.8 56.4 58.8 56.U 58.1 56.0 58.1 56.4 56.4 56.4 56.4 56.4 56.4 56.4 58.8 56.4 58.8 56.4 55.0 6E 58.8 58.8 58.8 58.8 58.8 15001 39.5 62.2 63.6 67.7 67.4 68.0 68.0 68.0 68.0 GE 68.0 68.0 69.0 68.0 68.0 68.0 12001 42.3 80.1 73.2 88.3 ĿΕ 15001 43.6 75.6 77.6 82.5 84.5 87.3 87.6 87.6 87.6 87.6 87.6 87.6 88.0 88.3 88.3 9001 44.0 90.7 91.8 93.5 90.7 91.8 93.8 GE 84.9 90.0 91.1 90.4 91.4 91.1 92.1 91.4 92.4 91.8 92.8 91.8 92.8 91.8 92.8 86.9 90.7 91.1 74.6 77.3 85.6 68.C 91.8 92.1 92.4 GE 7001 44.7 78.4 86 . 6 89.3 92.8 94.2 94.2 94.5 94.8 94.8 94.8 6001 45.0 97.3 5001 45.0 96.6 97.3 97.3 97.3 76.6 79.7 91.1 96.6 88.3 94.5 94.9 95.9 96.2 94.2 96.9 1001 45.0 79.7 19.7 88.3 91.1 94.5 96.9 97.9 GE 76.6 94.8 95.9 96.2 96.2 96.9 97.6 97.9 97.9 76.6 56.6 97.3 97.3 98.3 98.3 GE 2001 45.0 76.6 79.7 94.5 94.8 99.0 GE 1001 45.0 76.6 79.7 88 . 3 91.1 94.5 94.8 96.2 96.6 C & . 6 97.3 97.3 97.9 99.3 99.7 99.7 94.8 6.5 01 45-0 76.6 79.7 AA. I 91.1 94.5 96.2 96.6 96.6 97.3 97.3 97.0 00. t 99.7 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

C

PERIOD OF RECORD: 77-86 STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR MONTH: OCT HOURS (LST): 0300-0500 CEILING VISIBILITY IN STATUTE MILES GE 1 GE GE 3 2 1/2 GE 6 IN | GE FEET | 1 GE S GE GE GE 2 1 1/2 GE G<sub>E</sub> 5/8 GE 1/2 GE 1/4 GE 0 5/16 10 NO CEIL 1 14.3 17.6 18.3 18.3 19.3 18.3 18.3 18.3 18.3 10.3 18.3 18.3 18.6 18.6 18.6 18.6 GE 200001 15.6 20.3 20.3 2 C • 3 20.3 20.3 20.3 20.3 20.6 20.6 20.6 GE 180001 15.6 GE 160601 15.6 19.6 20 · 3 20 · 3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.6 20.6 20.6 20.3 20.3 20.3 20.6 20.6 20.3 20.3 20.3 20.3 20.3 20.6 GE 147001 15.6 19.6 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.6 20.6 23.6 20.6 20.3 26.3 GE 100 CO | 23.6 36.9 31.9 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.9 32.9 32.9 32.9 32.6 90001 23.6 8001 23.6 3C.9 31.9 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.6 32.9 32.9 32.9 32.9 32.9 32.9 32.9 GE 70001 23.9 GE 32.9 32.9 32.9 32.9 32.9 32.9 33.2 33.2 33.2 60001 23.9 32.9 33.2 6E 31.2 32.2 32.9 32.9 32.9 32.9 32.9 32.9 32.9 33.2 ьE 33.2 33.2 33.2 33.2 33.2 33.6 50001 23.9 31.6 32.6 33.2 33.2 33.2 33.6 33.6 33.6 33.2 34.9 36.2 33.6 33.6 45 CO | 23.9 32.6 33.2 33.2 33.6 31.6 33.2 34.9 33.2 33.2 33.2 33.2 33.2 33.6 42001 24.9 34.9 34.9 34.9 GE 34.9 34.9 35 CO | 35.5 34.6 36 . 2 36.2 36 . 2 36.5 GE 36.2 36.2 36.2 36.5 36.2 39.5 GE 30001 27.6 37.2 38.5 39.2 GE 25 col 27.9 20 00 | 33.2 42.2 42.9 42.9 43.2 43.2 43.2 43.2 43.2 43.2 43.2 43.5 43.5 43.5 47.2 49.2 52.5 45.5 48 • 2 50 • 5 48.2 50.5 48 ·8 51 ·8 48.8 49.*2* 52.5 49.2 52.5 49.2 52.5 6E 48.5 48.8 48.8 48.8 48.8 6€ 18 (01 34.6 47.5 51.2 52.2 52.2 52.2 52.2 52.2 GE 60.8 73.4 63.5 63.5 15401 38.9 55.1 57.8 61.1 62.5 63.1 63.5 63.5 63.5 63.8 63.8 63.8 63.8 10001 41.9 67.6 72.4 72.8 75.1 GΕ 81.1 83.7 85.0 85.7 85.7 85.7 85.7 85.7 86.0 86.0 86.0 86.0 78 . 4 GE GE 9001 42.2 9001 42.5 68.1 79.4 82.1 82.1 87.7 87.7 87.7 90.7 87.7 90.7 87.7 88.0 91.0 88.0 91.0 88.D 91.0 85.0 88.0 86 • 7 89 • 7 88.0 91.0 94.0 GΕ 7001 42.9 6001 43.2 76.4 75.7 77.7 83.1 85.7 92.4 95.0 94.0 97.0 97.0 97.0 υE 72.4 88.0 95.7 97.0 5001 43.2 72.4 97.3 77.7 96.7 97.3 97.3 Gξ 95.3 95.7 96.0 96.7 97.3 85.0 88.0 92.7 94.4 4001 43.2 3001 43.2 72.4 94.4 96.0 96.0 96.7 97.D 97.0 97.7 97.1 97.7 97.7 GE 77.7 85.0 92.7 95.7 88.0 95.3 GΕ 92.7 95.7 96.7 97.0 72.4 77.7 85.0 94.4 95.3 98.0 99.0 2001 43.2 85.0 99.0 1001 43.2 99.3 GE 77.7 88.0 95.3 96.0 96.7 97.0 98.0 99,0 99.0 GF ul 43.2 72.4 78 -1 85.4 88.4 93.0 96.3 97.0 97.3 98.3 99.3 99.3 100.0

TOTAL NUMBER OF OBSERVATIONS:

301

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PEP10U OF PECORD: 77-86 MONTH: OCT HOURS(LST): 0600-0800 VISIBILITY IN STATUTE MILES GE GE GE CEILING GE GE GE GE GE 2 1 1/2 1 1/4 IN | GE FEET | 10 6F 3 2 1/2 5/16 5 4 3/4 5/8 1/4 0 1 1/2 NO CEIL | 11.0 GE 200GO| 13.3 17.7 16.7 18.0 18.0 18.0 18.0 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.7 GE 18000| 13.3 GE 16000| 13.3 GE 14000| 13.3 16.7 17.7 17.7 18.0 18.0 18.0 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.0 18.0 18.0 18.0 18.7 18.7 18.7 16.7 18.7 18.7 18.7 18.0 18.0 18.0 16.7 GF 120001 13.3 17.7 18.0 18.0 18.7 18.7 18.7 29.3 29.3 29.3 29.3 29.3 L.F 100001 16.3 24.0 26.3 27.7 28.0 28.7 28.7 29.3 29.3 29.3 29.7 29.7 29.7 29.7 29.3 29.3 29.3 29.3 29.3 27.7 28.0 28.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 GE 90001 16.3 24.0 26.0 26.7 GE 8CCO| 16.3 24.0 26.0 27.7 29.0 28.7 28.7 29.3 29.3 29.3 29.3 29.7 29.7 GE 72001 16.3 24.0 26.0 27.7 28.0 28.7 28.7 29.3 29.3 29.7 29.7 30.0 GF 5000| 16.7 24.3 26.3 28.0 28.7 29.3 29.3 30.0 30 . C 30.0 30.0 30 • 3 30.3 30.3 30.3 30.7 ĢΕ 45 CO | 16.7 24.7 26.0 26.7 28.3 28.3 29.0 29.7 29.7 30·3 32·3 30.7 30.7 30.7 31.7 31.0 31.0 33.0 31.0 33.0 40601 17.7 30.3 31.0 31.7 32.7 32.7 32.7 32.7 33.0 GE 35 col 19.0 28.0 30.3 32 . 3 33.0 33.7 33.7 34.3 34.7 34 . 7 34.7 34 . 7 35.0 35.0 35.0 35.0 30 00 1 30.0 32.7 35.3 36.0 36.7 GE 25 601 22.3 38.3 41.3 42.7 42.7 42.7 42.7 43.0 43.0 35.0 40.0 40.7 41.3 42.C 43.D 43.0 2000 26.3 1800 28.7 4C.7 47.0 53.7 49.3 53.0 49.3 49.3 53.0 49.3 53.0 49.7 49.7 49.7 49.7 30 44.9 47.7 46.3 50.0 51.3 60.7 52.0 GΕ 51.3 51.3 12001 35.7 80.3 RO . 7 80.7 81.0 10001 37.3 65.0 65.7 71.7 72.3 87.7 89.0 GE 86.3 87.7 87.0 87.0 87.0 87.3 87.3 87.7 79.3 81.7 83.3 84.3 85.C 9001 37.7 98.3 88.7 88.7 82.7 85.3 86.3 98 . 3 80.3 84.3 8 CC | 38.0 7001 38.7 73.0 75.0 91.3 GF 66.3 81.3 84.0 87.3 88.7 90.0 91.0 91.0 91.0 91.3 91.7 91.7 67.7 93.3 94.7 93.3 94.7 93.7 93.7 94.0 GE 83.3 86.0 A 7 . 7 89.3 91.0 92.3 91.3 6E 6 CO | 38 . 7 75.3 90.3 5001 38.7 4001 39.7 3001 39.0 75.3 75.7 6.5 67.7 84.3 91.0 93.C 94.3 95.3 95.3 95.3 95.7 95.7 96.0 96.0 GE 6 8 . Q 84 . 7 87.7 88.3 89.7 91.3 92.0 93.3 94.0 94.7 95.7 95.7 95.7 96.0 96.0 96.3 96.3 97.0 68.3 90.3 95.3 96.3 96.3 96.3 96.7 2001 39-0 95.3 96.3 96.3 GE 68.3 76.0 85.3 89.3 90.3 92.0 94.0 96.3 96.3 97.0 97.7 98.0 98.3 97.0 1001 39.0 68.3 76.0 85.3 88.3 95.3 96.3 98.0 90.3 92.0 94.C 96.3 GE 01 39.0 76.0 85.3 88.3 96.3 92.0 94.C 95.3 96.5 96.3 97.0 98.0 98.3 100.0

# PEHCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

ST	ATIO	N N	UMBER:	225500	STATI	OR NAME:	ARKI	HANGELSK	USSR				PEP10D	OF REC	3RD: 77	-86		
				_	_								MONTH	: 001	HOURS	(LST):	0900-11	00
	IL IN		• • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • •			IN STAT			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •
	IN ICIN	ا ق	GE	GE	GE	GE	GE	G€	G E	GE	GE TM 21 WI	GE GE	.E.S GE	Gξ	GE	GE	GE	GE
	E 7	i		6	5	4		2 1 /2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0.0
		-	_														_	
40	CEI	L I	9.5	10.6	11.3	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
			12.4	15.3	16.4	17.9	18.6	18.6	19.0	19.C	10.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Ε	180	601	12.4	15.3	16.4	17.9	18.6	18.6	19.0	19.0	19.C	19.0	19.0	19.0	19.0	19.0	19.0	19.0
			12.4	15.3	16.4	17.9	18.6	16.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Æ	140	001	12.4	15.3	16.4	17.9	18.6	18.6	19.0	19.€	19.€	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Ε	120	COL	12.4	15.3	16.4	17.9	18.6	18.6	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
_																		
			20.1	28.1	30.3	32.8	33.9	35.0	35.4	35.4	35.4	35 • 4	35.4	35.4	35.4	35.4	35.4	35.4
E			20.1	28.1	30.3	32 . 8	33.9	35.0	35 • 4	35.4	35.4	35 • 4	35.4	35.4	35 . 4	35.4	35.4	35.4
٤			2C-1	2 6 . 1	30.3	32.8	33.9	35.0	35.4	35.4	35.4	35 • 4	35.4	35.4	35 • 4	35.4	35.4	35.4
ξ			20.1	28.1	30.3	32 • 8	33.9	35.0	35 . 4	35.4	35.4	35 • 4	35.4	35.4	35.4	35.4	35.4	35.4
Ε	• •	001	20.1	26.1	30.3	32 • B	33.9	35.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
E	50	col	20.4	20.5	30.7	33.2	34.3	35.4	35.8	35.8	35.8	35.8	35 . A	35.8	35.8	35.8	35.8	35.8
ìΕ	45	cal	20.4	28.5	30.7	33.2	34.3	35.4	35.8	35.8	35.8	35.8	35.8	35 . 8	35 . 8	35.8	35.8	35.8
E	4 ^	031	21.5	25.9	32.1	34.7	35.8	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
E	35	col	21.9	36.7	32.8	35 • 4	36.5	37.6	38.0	38.C	38 • C	38.0	38.3	38.3	38.3	38.3	38.3	38.3
Ε			23.C	32.6	35,8	36 - 3	39.4	40.5	40.9	40.9	40.9	40.9	41.2	41.2	41.2	41.2	41.2	41.2
_													_					
·Ε			25.9	37.2	39.4	42.3	43.4	44.5	44.9	44.9	44.9	44.9	45.3	45.3	45.3	45.3	45.3	45.3
E			29.8	44.9	47.4	50.7	51.8	52.9	53.3	53.3	53.3	53.3	51.6	53.6	53.6	53.6	53.6	53.6
E			29.2	46.0	48.5	51.8	52.9	54.4	54.7	54.7	54.7	54.7	55.1	55.1	55.1	55.1	55.1	55.1
ξE			30.7	5 C • 7	53.6	57.3	58.4	59.9	60.2	60.2	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6
E	17	COL	33.9	59.1	63.5	70.1	71.5	73.4	74.5	74.5	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8
ε	10	001	34.7	62.4	67.9	76.6	79.6	81.5	83.2	83.6	83.6	84.3	84.7	84.7	84.7	84.7	84.7	84.7
E	9	001	34.7	63.1	69.0	77.7	87.7	82.8	84.7	85.4	85.4	86.1	86.5	86.5	86.5	86.5	86.5	86.5
Ł	Ą	601	34.7	62.1	69.3	79.2	82.1	84.3	86 - 1	87.6	87.6	88.3	88.7	88.7	89.1	89.1	59.1	89.1
E	7	col	34.7	62.5	70.1	79.9	82.8	85.4	87.2	88.7	88.7	89.4	89.8	89.8	93.5	90.5	90.5	90.5
E	6	ורים	34.7	62.9	71.2	81 . u	84.7	87.2	89.1	90.5	90.5	91.2	91.6	91.6	92.3	92.3	92.3	92.3
r			74 *		31.5							0						0.1
E			34.7	64.2	71.5	81.4	85.4	88.0	89.8	91.2	91.2	92.3	92.7	92.7	93.4	93.4	93.4	93.4
3			34.7	64.6	71.9	81.8	85.8	88.3	90.1	92.0	92.0	93.1	93.4	93.4	94.2	94.2	94.2	94.2
E			35.C	65.3	72.6	82.5	86.5	89.1	90.9	92.7	92.7	93.8	94.2	94.2	94.9	94.9	94.9	94.9
E			35.0 35.0	65.3 65.3	72.6 72.6	82.5	86.5	89.1	90.9	92.7	92.1	93.8	94.2	94.2	95.3	97.4	97.4	97.4
	,	001	3316	0 3.03	, 12.0	82.5	86.5	89.1	90.9	92.7	92.7	93.8	94.5	94.5	95.6	98+2	98.9	99.6
Ε		01	35.0	65.3	72.6	82.5	86.5	89.1	90.9	92.7	92.7	93.8	94.5	94.5	95.6	98.2	98.9	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM POURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

O

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): 1200-1400 VISIBILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 CE 6 6 <u>€</u> 5 GE 4 GE GE GE 2 1 1/2 1 1/4 GE GE GΕ GΕ GF IN I GE FEET I 10 1 3/4 5/8 1/2 5/16 1/4 G 12.0 NO CEIL | 9.2 11.0 11.3 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 18.8 GE 187001 13.7 GE 162001 13.7 17.1 18.2 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.9 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 140001 13.7 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 GΕ 120001 13.7 18.5 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 100001 20.9 32.5 32.5 32.5 32.5 32.5 GΕ 25.1 30.1 31.8 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 30 · 1 30 · 1 32.5 90001 20.9 32.5 32.5 32.5 25.1 32.5 32.5 32.5 32.5 32.5 32.5 32.5 31.8 80001 20.9 32.5 GE 25.1 31.8 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 70001 20.9 32.5 32.5 32.5 32.5 31.6 32.5 32.5 60001 20.9 30.1 GE 50601 20.9 25.1 30.1 31.8 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32.5 45001 20.9 25.1 32.5 32.9 32.5 32.5 32.5 32.5 GE 30.1 32.5 32.9 32.5 32.9 32.5 32.5 32.5 31.8 32.5 40001 21.2 25.5 30.5 32.9 32.9 32.9 32.9 32.9 32.9 32.9 32.9 32.9 GΕ 35 00 1 21.9 30.5 31.5 33.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 34.2 36.3 36.3 36.3 GE 25601 20.5 46.4 41.4 44.9 44.9 44.9 44.9 44.9 44.9 44.9 44.9 2rGG| 32.9 1800| 34.2 46.9 50.3 50.3 50.3 54.1 50.3 54.1 50 • 3 54 • 1 50.3 54.1 50.3 54.1 50 • 3 54 • 1 5G.3 54.1 GF 45.5 49.3 50.3 50.3 50.3 50.3 48.6 53.1 54.1 54.1 54.1 54.1 1500 | 1200 | 37.7 40.4 61.3 63.0 63.C 75.7 63.0 63.0 63.0 75.7 66.5 72.6 75.1 ٥E 10001 41.4. 68.8 71.2 78 . 1 81.2 83.2 83.6 83.9 83.9 84.2 94.2 84.2 84.2 81.8 82.5 82.9 9001 41.4 ECOI 42.5 65.9 85.3 89.0 86.3. 90.4 87.3 87.3 72.3 79.5 83.9 85.6 87.0 87.0 87.3 87.3 74.3 82.2 87.3 88.7 91.1 93.8 91.1 91.4 GE 86.0 91.4 88.4 94.2 6001 43.2 GE 90.8 96.2 96.2 5001 43.2 GE 72.9 76.4 84.6 88.7 90.8 91.8 93.8 94.9 96.2 97.3 97.3 97.9 97.9 97.9 97.9 4001 43.2 3001 43.2 2001 43.2 72.9 76.4 95.2 95.5 96.6 84.9 89.C 97.6 97.9 98.3 ĢΕ 91.1 92.1 92.5 94.2 97.6 97.9 98.3 98.3 98.3 98.6 72.9 76.4 84.9 89.0 91.4 94.5 98.6 98.6 98.6 99.0 76.4 76.4 89.0 89.0 97.9 99.0 99.0 θE 72.9 84.9 91.4 92.5 94.5 95.5 96.9 97.9 99.0 1001 43.2 99.3 GE 01 43.2 72.9 76.4 89.0 91.4 94,5 95.5 97.9 97.9 99.0 00.1 99.7 100.0

GLOBAL CLIMATOLOGY BRANCHUSAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF PECORD: 77-86 STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR MONTH: OCT HOURS(LST): 1500-1700 CETLING VISIBILITY IN STATUTE MILES GE IN | FEET | GE GŁ GE GE GE GE GE G£ GE 5/16 GE O 2 1 1/2 1 1/4 3 2 1/2 1/2 1/4 5/8 NO CEIL | 11.4 12.8 13.1 13.1 13.4 13.4 13.4 13.4 13.4 13.4 17.4 13.4 13.4 13.4 13.4 13.4 GE 207001 12.8 16.1 16.8 16.8 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 GE 160001 12.8 GE 16001 12.8 GE 14001 12.8 17.4 17.4 16.8 17.4 17.4 16.1 16.8 17.4 16.1 16.8 16 .8 17.4 17.4 17.4 17.4 17.4 17.4 17.4 120001 12.8 6E 100001 24.2 33.2 34.2 34.9 35.6 35.9 35.9 35.9 35.9 35.9 35.9 35.9 36.2 35.9 35.9 9:001 24.2 31.2 34.2 34.2 34.2 34.9 34.9 34.9 35.6 35.6 35.6 35.6 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 35.9 O.E. 35.9 36.2 ĢΕ 35.9 36.2 üξ 70 00 i 24.2 23.2 35.9 35.9 35.9 35.9 35.9 35.9 34.2 34.5 35.9 35.9 υE 35.9 35.9 35.0 35.9 35.9 36.2 51.001 24.5 33.9 34.9 35 . 6 36.2 υĘ 36.6 36.6 36.6 36.6 36.6 35.6 36.6 36.6 36.6 36.6 36.9 ુદ 41 421 24.5 14.2 35.2 35.9 37.9 36.6 36.9 36.9 36.9 36.9 36.9 36.9 36.9 36.9 38.9 36.9 38.9 36.9 37.2 4100) 26.2 3531 27.5 3000| 20.9 38,6 40.3 38.9 40.6 . . F 38.9 38.9 38.9 78.9 38.9 39.6 40.6 ſ₁Ę 40.6 40.6 44.6 40.6 40.6 40.6 40.6 40.6 40.6 4 C. 9 43.0 υ£ 41.6 43.6 44.3 251-1 34.6 i.f 4 7 . 0 4 P . 7 49.3 50.3 50.7 50.7 50.7 50.7 50.7 57.7 50.7 50.7 50.7 50.7 51.0 21 601 27.2 16 661 49.3 15 601 43.6 54.8 58.4 υŧ 51.7 55.5 59.7 56.0 61.1 56.4 61.4 56.4 61.4 56.4 56.4 56.4 56.4 56.4 56.4 56.4 56.4 56.7 61.4 61.4 61.4 61.4 61.4 61.7 61.4 64.4 68.8 69.1 79.9 69.1 80.2 60.1 80.2 69**.1** 69.1 80.9 i,€ JE 63.1 65.8 68.1 69.1 69.1 69.1 69.1 69.5 AJ.9 ωŧ 11 601 47.0 1:.5 86.9 86.9 A7.2 80.2 63.9 84.9 85.6 85.9 86.2 86.2 86.2 86.9 9011 47.5 77.5 78.5 91 • Z 83 • 2 85.2 88.3 91.6 88.6 8º .6 88.6 92.3 93.0 89.3 93.0 89.6 D.E. 12.2 86.6 87.2 90.3 89.3 87.6 93.0 ٠Ł 90.9 707 | 47.0 14.6 79.2 84.6 89.9 91.6 92.6 95.0 95.6 97.0 95.6 97.0 4. 8 94.9 90.6 95 · C 94.C 96.3 98.0 98.0 96.3 ..... 47.3 75.9 97.7 99.0 85.6 91.3 97.0 97.7 98.7 98.7 95 . 6 98.7 93.0 94.0 94.6 94.3 9501 47.3 7501 47.3 75.5 75.5 91.3 79.9 95.9 91.6 95.C 96.C 97.3 99.7 98.3 99.3 99.7 79.9 91.6 93.3 97.3 98.3 98.3 99.7 85.4 95.C 96.C 98.0 99.3 99.3 99.3 98.C 95 • C 85.9 91.6 94.3 96.0 99.7 99.3 95.€ 31 47.3 75.5 79.5 95.9 91.6 93.3 94.3 96.0 9743 98.0 98.3 99.3 99.7 100.0 1 47.3 70.5 79.9 1.1 85.4 91.6 9 3 . 3 94.3 95.C 96 • C 07.3 98.0 24 - T 99.3 99.1 99.7 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255GC STATICA NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: OCT FOURS(LST): 1800-2000 . . . . . . . . . . . . CE IL ING VISIBILITY IN STATUTE MILES GΕ GE J GE GE GE GE G E 2 GE GE 1 1/2 1 1/4 GE GE G٢ GE I٨ 3 2 1/2 1/2 5/16 1/4 5/8 NO CETL | 11.3 15.1 15.1 15.5 15.8 15.8 15.8 15.8 16.2 16.2 16.2 16.2 16.2 15.5 16.2 16.2 GE 200001 12.4 17.5 16.5 16.5 16.8 17.2 17.2 17.5 17.5 17.5 17.5 16.8 17.2 17.2 17.5 17.5 GE 180001 12.4 16.5 16.5 16.8 17.5 17.5 17.5 17.5 16 . 6 17.2 17.2 17.2 17.2 17.5 17.5 17.5 17.5 17.5 GE 167CC 12.4 GE 140CC 12.4 16.5 16.5 16.8 16.8 17.2 17.2 17.2 17.2 17.5 17.5 17.5 17.5 17.5 17.5 17.5 16.5 16.5 16.8 17.2 17.2 17.2 17.5 17.5 17.5 17.5 GE 12mgg| 12.4 16.5 6E 100001 15.2 27.1 28.2 28.9 28.9 29.6 29.9 29.9 29.9 29.9 6E 6E 9000| 14.2 8700| 18.2 27.1 28.2 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.9 29.9 29.9 29.9 29.9 29.9 29.9 29.9 28.9 28.9 29.9 28.9 28 . 9 79.9 70001 27.1 28.2 28.9 28.9 29.6 29.6 29.6 29.6 29.6 29.6 29.9 29.9 29.9 29.9 29.9 29.9 28.9 GE 28 . . 29.6 29.6 GΕ 50001 18.9 28.2 29.2 29.9 29.9 30.6 30.6 30.6 30.6 30.9 37.9 30.9 30.9 30.9 30.9 30.9 31.6 33.7 GE 45 20 | 19.6 45 00 | 21.3 28.9 3C.9 29.9 3C • 6 30.6 31.3 31.3 31.3 31.6 33.7 31.6 31.6 31.6 33.7 31.3 31.6 31.6 CE 32.6 32.6 33.3 33.3 33.3 33.7 33.7 35001 22.3 30001 23.7 34 - 4 34.4 SE 34.4 35.4 36 . 1 36.1 36.8 36.8 37.1 37.1 37.1 25001 26.5 46.5 43.3 43.3 43.6 43.6 GE. 41.6 42.6 42.6 4 5 . 3 43.3 43.6 43.6 43.6 43.6 43.6 2000| 31.6 1800| 33.0 GΕ 51.2 52.9 54 • 0 57 • 0 54.0 57.6 55.6 55 .C 55.C 55.C 55.3 55.3 55.3 55.3 55.3 55.3 55.3 GE 54.0 56.9 58.1 58.1 54.4 58.4 58.4 58.4 58.4 58.4 58.1 37.1 63.6 15001 67.3 70.4 70.4 70 • 8 80 • 1 6£ 69.1 70.1 70.8 70 . B 70.8 70.8 70.8 70.8 1200 | 38.8 72.5 99.3 10001 39.9 82.1 62.8 85.9 87.3 87.3 28.7 89.7 99.0 89.3 89.3 9601 40.2 8201 40.2 82.8 83.5 87.3 88.3 88.7 89.7 89.C 90.C 91.1 92.4 91.4 GF 72.2 77.3 89.C 90.4 91.1 91.4 91.4 91.4 72.5 78.4 GE 92.4 92.8 92.8 92.B 91.6 90.4 95.2 7031 40.2 80.8 86 . 6 6£ 74.7 87.6 91.6 93.1 96.9 98.6 96.9 96.9 ίE 96.6 98.6 98.6 98.6 Gξ 500| 40.5 74.9 80.8 95.2 97.6 97.9 98.6 99.3 99.0 99.0 87.3 88.3 92.8 94 . 2 94.8 96.6 94.2 4031 43.5 74.9 60.8 80.8 95.2 95.2 95.2 87.3 88.3 9:.0 97.6 97.9 98.6 99.0 99.0 99.0 06.6 94.8 97.3 96.6 97.9 97.9 66 94.8 97.6 98.6 99.3 99.3 99.3 43.5 8 C . 5 6E 1.01 47.5 74.9 80.8 87.3 .... 97.8 94.2 95.2 96,6 97.9 98.6 100.0 100.0 100.0 97.6 01 43.5 GE. 74.9 8.78 87.3 88.3 92.8 94.2 94.8 95.2 96.6 91.9 98.6 190.0 100.0 100.0

TOTAL NUMBER OF ORSERVATIONS: 29

•

GLOBAL CLIMATOLOGY BRANCH USAFETAC

CEILING

IN | GE FEET | 10

. . . . . . . . . . . . . . . .

NO CETE | 13.5

GE 200001 13.9

GE 18000| 13.9 GE 16000| 13.9 GE 14000| 13.9

GE 120001 13.9

GE

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

CE

18.2

18.5

18.5

18.5

18.5

6

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

GE

18.2

18.8

18.8

18.8

5

GE 4

18.5

19.1

19.1

19.1

18.5

19.1

19.1

89 . B

92.1

93.7

94.7

VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE GE Gε GE 1 3/4 5/8 1/2 5/16 1/4 n 18.5 18.5 18.5 18.5 18.5 18.5 18.5 19.1 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.7 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.7 33.7 33.7 33.7

MONTH: OCT

PERIOD OF RECORD: 77-86

HOURS(LST): 2100-2300

GE 100001 23-1 31.7 32.3 33.3 33.3 33.3 9000| 23.1 8000| 23.1 7000| 23.4 GE 31.7 33.3 33.3 33.3 32.3 SE 31.7 32.0 33.3 33.3 33.3 GE 33.7 32.7 33.7 60001 23.4 32.0 34.0 GΕ 5000| 23.8 32.3 33.0 34 . .. 34.0 34.0 34. C 34.C 34.0 34.0 34 . 0 34.0 34.0 34 . D 45001 24.1 40001 24.8 33.0 34.3 33.7 35.0 35.C 36.6 35 • 0 36 • 6 35.C 36.6 35.C 36.6 35 • 0 36 • 6 35.0 36.6 35.0 37.0 35.0 37.0 35.0 37.0 35.0 37.0 35.0 37.0 GE 35 • U 35.0 36.6 36.6 GE 35 CC1 25.7 30001 27.7 35.6 36.3 38.0 38.0 41.3 38.0 38.C 38 . 0 30.0 39.3 38.3 38.3 39.3 38.3 41.6 41.3 41.3 41.3 41.3 41.6 41.6 υE 2500 | 30.7 47.2 47.2 47.2 47.2 47.2 47.5 47.5 44.6 47.2 47.5 47.5 GE GE 2000 34.3 1800 35.0 50.8 54.8 52.5 56.4 54 · 8 59 · 4 68 · 3 55.1 59.7 55.4 60.1 55.4 60.1 55.4 60.1 55.4 60.1 55.8 55.8 55.8 60.4 55.8 55.8 60.4 55.4 60.1 60.1 15001 36.6 62.7 69.3 GE 12001 38.9 71.9 74.9 80.2 81.2 81.6 82.5 82.8 62.8 82.8 8.28 83.2 83.2 83.2 63.2 83.2 ĠΕ 10001 40.3 75.2 87.1 89.8 90.4 92.4 90.8 90.8 78.9 85.5 88.8 93.4 911.4 90.8 90.8 90.8 9001 40.6 8001 40.9 7001 40.9 GE 75.9 79.9 88.8 91.4 91.7 92.7 92.7 93.4 93.4 93.4 93.7 93.7 93.7 93.7 93.7 66 · 6 87 · i 96.4 76.2 83.2 90.8 93.4 94 . 1 94.1 94.4 94.4 94.4 94.4 71.2 95.4 95.7 95.7 90.1 94.4 94.7 95.4 95.7 95.7 68 81.2 46.1 91.7 95.4 95.7 6001 40.9 GΕ Fcal 40.9 81.5 89.1 91.1 92.7 93.7 95.4 96.4 96.4 97.0 97.4 97.4 97.4 97.4 97.4 4001 40.9 3001 40.9 81.8 81.8 89.4 89.8 91.4 92.1 93.1 94.1 95.7 96.4 96 • 7 97 • 4 96.7 97.4 97.4 9P.0 97.7 98.3 97.7 98.3 97.7 97.7 98.3 97.7 98.3 GE. 77.6 17.6 93.7 99.0 2001 40.9 77.6 81.8 89.8 92.1 94.7 96.4 97.4 97.4 99.0 98.3 99.0 99.0 99.0 81.8 99.0 100.0 100.0 96.4 98.3

96.4

97.4

97.4

98.0

98.3

99.0

99.0

100.0 100.0

TOTAL NUMBER OF QBSERVATIONS:

77.6

61.8

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0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: OCT HOURS (LST): ALL VISIPILITY IN STATUTE MILES GE GE GE GE CEILING GE 0 GE GE 1 1/2 1 1/4 IN | GE FEET | 10 6 E 4 GΕ GE 1/4 3 2 1/2 5/16 5 2 £ 1 3/4 5/8 1/2 NO CEIL | 11.8 15.3 15.4 15.4 15.5 15.5 15.5 14.6 15.1 15.3 15.5 15.5 15.5 15.5 18.6 18.6 19.6 18.8 18.8 18.9 GE 200001 13.8 17.4 18.3 18.4 18.6 18.7 18.8 18.8 18.5 18.9 18.9 18.9 18.6 GE 18000| 13.8 GE 16000| 13.8 17.4 18.3 16.4 19.7 18.8 18.8 18.6 19.8 18.5 18.9 18.9 18.9 18.9 18.9 17.4 18.5 18.8 18.9 18.C 10.8 18.7 SE 14000| 13.8 17.4 18 . 4 19.6 18.6 18.8 19.8 19.9 18.8 GE 120001 13.8 18.8 18.8 18.8 18.9 17.4 GE 100001 21.5 30.0 31.2 32 • 3 32.6 33.0 33.1 33.1 33.2 33.2 33.2 33.3 33.3 33.3 33.3 GE GE 90001 21.5 80001 21.5 3C.0 31.2 32 · 3 32.6 32.6 33.0 33.1 33.1 33.1 33.1 33.1 33.1 33.2 33.2 37.2 37.2 33.2 33.2 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 33.3 GE 70001 21.7 70.1 31.3 32.4 32.8 33.1 33.2 33.3 33.3 33.3 33.4 33.4 33.4 6FUC | 21.7 33.3 32.9 33.4 GE 30.1 32.5 33.2 31.4 34.0 50001 22.0 36.6 31.6 32.9 33.3 33.7 33.7 33.8 33.8 33.9 33.9 33.9 34.0 34.0 GE. 34.3 35.8 37.1 32.3 32.2 34.1 34.2 34.3 35.8 34.3 35.9 34.3 34.4 GE 45001 22.1 33.4 33.7 34.3 34.4 34.4 34.5 40001 23.2 35001 24.1 30001 25.9 36.0 37.4 34 . 9 35.3 36.0 37.4 36.0 37.4 ĿΕ 36.0 34.9 37.2 GE 37.0 37.0 37.1 37.2 37.3 GE 36.3 39 . 1 39.5 39.9 39.9 40.0 40.1 40.1 40.2 40.3 40.3 40.3 4 C . 3 ĿΕ 25001 29.3 43.4 41.5 44.9 45.3 45.7 45.8 45.9 46.5 46.0 46.0 46.1 46.2 46.2 46.2 46.2 2000| 32.7 1800| 34.1 53.2 56.6 65.9 52.3 52.9 56.3 53.C 56.4 53.2 53.3 56.8 GΕ 46.0 50.0 51 - 6 52.8 53.1 53.1 53.3 56.8 53.4 53.3 5C.8 57.9 52.9 63.5 56.6 56.6 65.9 GΕ 55 . 0 56.1 56.8 15001 37.0 65.7 GE 65.5 65.8 63.7 66.0 66.0 66.0 64.4 65.2 66.0 GE 12:001 39:7 79.2 79.3 GΕ 10001 40.8 65.6 73.9 82.8 84.7 85.7 86.1 86.3 86.7 86.9 87.2 87.2 87.3 67.3 80.4 900| 41.0 850| 41.3 750| 41.6 6E 74.8 75.6 87.4 89.3 88.1 90.3 89.2 91.6 89.3 89.7 92.0 89.7 92.1 76.3 81 . 6 84.1 86.3 88.5 89.0 89.6 89.6 71.1 83.1 85.8 98.1 90.8 91.3 91.6 92.0 92.0 GE 72.0 16.9 77.7 84 . 5 87.4 89.9 91.1 92.3 92.9 93.5 94.0 74.0 94.5 94.6 94.6 92.5 96.4 96.4 GΕ 89.6 91.3 FC01 41.7 72.8 77.9 95.6 96.4 96.5 97.0 97.1 85 . 7 88.9 91.7 93.0 94.3 95.0 97.1 4001 41.7 72.9 78.0 78.2 93.2 93.5 94.6 95.2 95.6 96.7 97.0 96.9 97.2 97.4 97.8 97.5 97.6 98.0 97.6 98.0 GE 89.4 92.0 96.0 GE 96.4 86 . 2 2001 41.8 78.2 97.0 97.2 98.8 98.9 1001 41.8 97.1 97.2 99.0 99.4 99.7 6E 73.0 78.2 86 . 2 89.4 92.3 93.5 94.9 95.6 ,96.4 98.1 ь£ -1 41.8 97.1 97.1 98.1 73.0 78.2 86 . 2 49.4 92.3 01.5 94.9 95.4 96.4 99.1 99.4 100.0

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PEPICO OF PECORD: 77-86 MONTH: NOV HOURS(LST): 0000-0260

												DOM: N				0000-52		
	LING	• • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • • •	• • • • • •	•••••	• • • • • • •	••••••	• •
1		GE	ŒF	GE	GE	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	G€	
FE			- 6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	ن	
-		-	-				-								-			
•••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •		• • • • • • •				••
	CEIL I		11.1	11.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12,5	12.5	12.5	12.5	12.5	
NO	CCIT !	7 • 6	. 1 - 1	11.0	15.3	12.5	14.5	12.00	12.3	12.00	12.5	1207	12.5	1247	12.5	12.00	12.5	
	200001	я.3	12.1	12.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	17.5	13.5	13.5	13.5	13.5	13,5	
	180001		12.1	12.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	
	160001	8.3	12.1	12.8	13.5	13.5	13.5	13.5	13,5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	
	140001		1 2 • 1	12.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13,5	13.5	13.5	13.5	13.5	13.5	
GE	120001	8.3	1 2 • 1	12.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	
GΕ	100001		17.3	18.9	19.7	19.7	20.4	20.4	20.4	20.4	20.4	27.4	23.4	23.4	20.4	20.4	20.4	
ŲΕ	90001	11.1	17.3	19.3	19.7	19.7	20.4	23.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	
GE	80001	11.1	17.3	18.0	19.7	19.7	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	
GE	70001	11.1	17.3	18.0	19.7	19.7	20.4	23.4	29.4	20.4	20.4	27.4	20.4	20.4	20.4	20.4	20.4	
Ŀξ	67001	11.1	17.3	18.6	19.7	19.7	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	
GE	50001	11.1	17.3	18.5	19.7	19.7	2 0 .4	20.4	20.4	∠0.4	20.4	27.4	20.4	20.4	20.4	20.4	20.4	
GE	45631	11.4	17.6	18.3	20 - 1	20.1	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	23.8	20.8	20.8	
ĞĒ	40001		16.7	19.4	21.1	21.1	21.8	21.8	21.8	21.8	21.8	21.9	21.8	21.8	21.8	21.8	21.8	
6E	35 60		15.4	20.1	21.8	21.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
GE	37 ac l		20.8	21.5	23.2	23.2	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	
U.	3. 001	1400	2 ( • 6	21.5	23.2	23.2	23.9	23.7	2367	2347	2307	23.7	23.7	23.7	23.7	23.7	2 3 6 7	
ĿΕ	25 001	18.0	24.9	26.0	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	
GE	20001		32.5	34.9	36.7	36.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	
GE	18 00 1		36.3	39.1	41.5	41.5	42.2	42.2	42.2	42.2	42.2	47.2	42.2	42.2	42.2	42.2	42.2	
				-	_													
GE	15601		41.3	46.4	49 . 1	50.2	5 C • 9	50.9	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
GE.	13 00 (	2.01	55.7	60.2	65 • 4	6 R . 5	7 C • 2	70.6	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
	10001		63.0	69.2	70. 7	70.5				0 - 1							0 > 7	
ųξ					74.7	78.5	8 C • 6	81.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	e 2 . 7	
3.7		31.1	65.1	70.2	17 • 2	81.7	83.7	84.4	85.8	86.2	86.2	84.2	86.2	86.5	86.5	86.5	86.5	
GE		31.5	65.7	71.6	79 • 6	84.4	86.5	87.5	88.9	89.3	P9.3	89.3	89.3	89.6	89,6	89.6	89.6	
GE		31.5	67.1	73.4	82.7	87.9	90.3	91.3	92.7	93.1	92.4	93.4	93.4	93.8	94.1	94.1	94.1	
GE	6001	51.5	67.5	74.0	84 • i	89.6	92.4	93.4	94.8	95.2	95.5	95.8	95.8	96.2	96.5	96.5	96.5	
_																		
€.		31.8	67.8	74.4	94.4	90.0	92.7	93.8	95.2	95.8	96.2	96.5	96.5	96.9	97.2	97.2	97.2	
GE		31.8	67.8	74.4	84 . 6	90.3	93.4	94.5	95.8	96.5	99	97.2	97.6	97.9	98.3	98.3	98.3	
GE	4001	31.8	68.2	75.1	85 • 5	91.0	94.1	95.2	96.5	97.2	97.6	97.9	98.3	98.6	99.3	99.0	49.B	
GE	8 301	31.8	68.2	75.1	85.5	91.0	94.1	95.2	96.5	97.2	97.6	97.9	98.3	99.0	99.7	99.7	99.7	
GE	1001	31.B	6 £ • 2	75.1	85 - 5	91.0	94.1	95.2	76.5	97.2	97.6	97.9	78.3	99.0	100.0	100.0	100.0	
ĿΕ	54	31.A	68.2	75.1	85.5	91.0	94.1	95.2	96.5	97.2	97.6	97.9	98.3	99.0	100.0	100.0	100.0	

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING YFRSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: NOV HOURS(LST): 0300-0500 CEILING VISIBILITY IN STATUTE MILES IN l GŁ Œ GE GE GE GE GE GF GE 2 1 1/2 GΕ F.F GE GF 10 3 2 1/2 5/8 1/2 5/16 1/4 NO CELL L F.3 13.2 13.2 12.6 13.2 13.2 13.2 13.2 13.2 13.2 13.2 11.9 14.2 14.2 14.2 14.2 100005 30 14.2 0.7 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 8.7 14.2 14.2 14.2 14 • 2 14 • 2 6E 180 001 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 GE 160531 8.7 11.9 14.2 14.2 14.2 14.7 14.2 14.2 14.2 140001 9.7 13.9 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.7 14.7 UE 120001 14.2 14.2 14.2 14.2 GE 100001 12.2 20.8 21.5 23.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 20.0 90001 12.2 80001 12.2 25.1 20.8 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 GE 20.8 21.5 21.5 21.5 21.5 20.8 21.5 űE 21.5 21.5 21.5 JE GE 7003| 12.2 6003| 12.2 20.8 20.8 21.5 20.1 29.8 20.8 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 ĿΕ 50001 12.2 20.1 20.8 26.8 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5 4500| 12.2 4000| 12.2 3500| 13.9 21.5 21.5 23.6 20.1 20.8 20.8 21.5 21.5 21.5 21.5 23.6 21.5 21.5 21.5 21.5 21.5 21.5 21.5 20.8 20.8 21.5 21.5 GΕ 21.5 21.5 21.5 23.6 23.6 22.9 22.9 23.6 23.6 23.6 23.6 30 801 14.6 26.7 35.4 27.8 27.8 28 • 5 38 • 2 28.5 38.2 41.3 28.5 GE 25 631 16.7 27.4 28.5 28 • 5 28.5 28.5 28.5 28.5 28.5 28.5 2001 21.9 36.1 37.5 37.5 36.2 38 . 2 38.2 38.2 39.2 38.2 38.2 38.2 1960| 22.9 1900| 27.8 1260| 30.9 Ģ€ 37.5 38.5 40.3 40.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 48.3 51.4 68.1 52.1 69.8 53.1 71.5 GE 46.5 53.1 53.1 53.1 53.5 51.5 53.5 53.5 53.5 71.5 91.3 88.9 10031 32.3 6 1.2 69.4 77.1 78.8 87.2 81.6 81.9 81.6 9001 33.0 9001 33.0 71.9 86.5 87.8 89.2 99.2 69.2 91.0 (sF 66.7 79.5 A1.6 84.0 87.5 8P.9 88.9 89.6 67.4 83.0 98.9 90.6 Gξ 85.4 90.6 90.6 80.6 91.3 85.8 86.8 94.4 GE 89 • Z 90.3 93.4 91.8 94.8 G E 84.0 89.2 92.7 93.4 95.1 95.5 95.8 96.2 96.2 96.2 96.5 5001 33.0 68.8 74.7 84.4 87.A 9..3 97.9 94.1 95.1 95.9 97.6 98.6 91.3 98.3 98.3 99.3 97.2 97.9 98.3 98.6 98.6 98.6 99.0 4001 37.0 3001 33.0 74.7 74.7 94.4 PR.2 90.6 91.7 95.5 98.3 6 E • 8 6 E • 8 99.3 GΕ 54.4 88.2 90.6 91.7 94.4 2001 88.2 88.2 94.4 97.6 98.6 99.3 99.7 100.0 95.5 160| 33.c G E 66.8 74.7 84.4 77.6 90.3 98.6 99.3 99.7 100.0 €E 01 33.0 68.8 74.7 84.4 88.2 96.6 91.7 94.4 95.5 97.6 99.5 98.6 99.3 99.7 99.7 100.0

GLOBAL CLIMATCLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGFLSK USSR PERIOD OF RECORD: 77-86 MONTH: NOV HOURS (LST): 0600-0800 EILING VISIBILITY IN STATUTE MILES CEILING GE 4 ĞŁ GT GE 1 1/2 1 1/4 GE 7/4 FEET 1 10 3 2 1/2 5 1 5/8 1/2 5/16 1/4 t ο 10.4 NO CEIL | 6.6 16.0 19.3 10.4 10.4 10.4 10.4 12.5 13.1 13.1 100005 30 12.5 12.8 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1 12.8 0E 180001 8.7 12.5 17.1 13.1 13.1 13.1 13.1 13.1 12.5 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1 GE 147001 GE 120001 12.5 13.1 13.1 12.5 13.1 13.1 13.1 13.1 13.1 100601 10.4 19.0 19.1 19. C 19.0 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 ЬĒ 17.0 17.6 18.7 19.0 19.4 90001 10.4 60001 10.4 70001 10.4 19.C 17.4 19.4 17.€ 19.0 19.0 19.0 19.4 19.4 17.0 17.6 18.7 19.0 GE 17.0 17.6 18.7 19.0 19.0 19.C 19.0 19.4 10.4 19.4 19.4 19.4 19.4 19.4 17.0 19.6 19.6 10.4 19.4 19.4 17.6 16.7 19.C 19.0 19.4 19.4 19.4 17.4 67001 10.4 50001 17.4 6E 17.3 19.3 19.0 19.4 15.4 19.4 19.4 19.4 19.7 19.7 19.7 19.7 19.7 19.7 19.7 4500| 10.7 400| 10.7 20.4 20.1 20.8 20.1 20.4 20.4 21.1 23.4 26.4 GE 18.0 18.7 19.7 20.1 20.1 20.4 23.4 29.4 18.3 20 - 1 21.1 21.1 21.1 19.0 20.8 2C . 8 21.1 35 CC | 11.4 35 CC | 12.1 19.4 20.1 21.1 21.5 21.8 23.2 21.8 22.1 22.1 22.1 23.5 23.5 23.5 6**E** 25001 14.5 25.3 29.4 29.4 26.J 27.3 27.7 28.0 28.0 28.C 28 • C 28.4 28.4 28.4 28.4 2°60| 17.6 1860| 19.7 33.2 34.3 36.5 40.8 36.3 36.7 36.7 36.7 41.9 52.9 37.0 37.0 37.D 42.2 37.0 GE 36.7 37.0 37.0 37.0 42.2 42.2 ĿΕ 42.2 1500| 23.5 1220| 25.3 53.3 53.3 53.3 57.8 71.6 72.0 GE 61.6 70.9 70.9 71.6 72.3 υE 10001 27.3 64.0 68.9 75.8 77.9 82.7 93.7 87.7 83.7 84.4 84.4 8 C .6 82.0 83.C 84.4 84.4 GE 9401 27.3 66.1 71.3 78.2 87.3 98.6 80.6 88.6 89.3 R9.3 89.3 89.3 83.4 86.5 87.5 88.2 85.1 POC | 27.3 6E 66.1 71.6 76.9 81.0 84.1 85.8 87.2 30.C 90.0 90.0 90.7 93.7 90.7 91.0 GΕ 67.5 74.4 83.0 85.1 86.2 90.0 91.3 92.4 94.1 94.1 94.1 94.8 94.8 94.8 95.2 űE 6.01 27.3 90.7 GE 5 CG | 27.3 60.5 75.4 87.5 91.3 93.1 97.2 97.2 97.9 97.9 97.9 98.3 97.6 97.6 91.6 GE GE 4601 27.3 7061 27.3 68.5 68.5 75.4 75.4 84.8 84.8 87.5 87.5 91.7 93.4 94.8 95.8 97.6 97.6 97.6 98.3 98.3 98.3 98.3 98.6 91.7 97.6 98.3 98.3 98.6 210 27.7 160 27.3 68.5 87.5 99.7 í, F 84 • 6 84 • 8 91.7 93.4 94.8 95.8 97.6 97.6 99.3 99.7 100.0 97.6 99.3 97.6 97.6 99.7 100.0 87.5 91.7 93.4 94.8 95.8 01 27.3 75.4 84.8 99.7 99.7 100.0 υE 68.5 87.5 91.7 93.4 94.8 95.8 97.6 97.6 97.6 99.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PER100 OF RECORD: 77-84 MONTH: NOV HOURS (LST): 0900-1100 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE 2 1 1/4 GΕ GE GΕ GE GE FEET ! 3 2 1/2 ٦, 10 7/4 5/8 1/2 5/16 1/4 n 9 • C 9.0 NO CEIL | 5.2 €.2 9.0 9 • E 9.C ٥.5 9.0 9.0 9.0 8 .6 8.6 9.6 6.6 12.0 12.7 12.7 13.1 13.1 17.1 13.1 13.1 GE 200001 12.4 12.7 13.1 13.1 13.1 13.1 12.4 12.7 17.1 GE 18000 ( 7.9 12.0 12.7 12.7 13.1 13.1 13.1 13.1 7.9 12.0 12.4 13.1 6E 167001 12.7 12.7 12.7 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.1 140001 12.7 12.7 13.1 13.1 13.1 13.1 13.1 12.4 12.7 13.1 13.1 13.1 13.1 22.1 6F 100031 12.0 15.9 20.2 21.3 21.7 21.7 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 20.2 20.2 20.2 22.1 22.1 22.1 ЬE 90001 12.0 80001 12.0 15.9 21 · 3 21 · 3 21.7 21.7 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 GE 7040| 12.0 6000| 12.0 21.7 22.1 22.1 15.9 22.1 22.1 22.1 22.1 ςE 22.1 GE 50001 12.0 20.2 20.6 22.1 22.5 22.5 22.8 22.6 22.8 22.8 22.8 22.8 22.8 22.8 22.8 22.8 4° LOT 12.3 40 COT 13.1 20.6 22.1 22.5 22.5 22.8 22.8 24.0 22.8 24.0 22.8 24.0 22.8 24.0 22.8 22.8 22.8 24.0 22.8 22.6 2¢.2 21.3 GE 35 CC | 26.2 28.1 24.0 25.8 26.2 28.1 26.2 27.7 30001 14.6 25.5 28.1 26.1 28.1 28.1 26.1 29001 15.4 31.1 30.0 31.1 31.1 31.1 31.1 31.1 31.1 31.1 38.2 42.7 GΕ 28.1 28.5 30.3 30.7 31.1 31.1 39.2 38.2 2356 17.6 37.1 34.1 35.2 37.6 38.2 37.5 38.2 42.7 53.6 72.3 18:01 18:7 15:01 20:6 42.3 53.2 42.7 42.7 42.7 GF 38.2 39.3 41.6 41.9 42.7 42.7 42.7 46.8 53.9 74.2 53.9 52.4 53.9 53.9 74.2 52.1 12001 24. 3 62.2 68.9 76.6 71.2 74.2 74.2 96.1 84.3 GF 10001 25.8 64.4 67.8 74.2 77.2 78.7 80.1 82.4 83.9 84.6 85.3 86.1 P6 . 1 86.1 9501 26.2 8601 27.0 98.8 P6.9 87.3 87.6 89.8 65.2 69.3 85.C 86.5 88.8 88.8 6E 76.4 79.4 86.9 82.8 82.0 88.C 90.3 90.6 91.9 91.8 91.8 91.8 66.3 GΕ 7001 27.0 03.3 97.6 66.3 71.9 80.5 84.5 86.1 88.4 91.0 92.5 94.0 45.5 95.5 95.5 95.5 4601 27.3 66.7 81.3 85.0 86.9 5201 27.7 67.4 73.4 90.6 93.3 95.5 91.9 96.6 99.1 98.1 94.1 98.1 82.5 85.8 88.4 4631 27.7 67.4 73.4 73.4 82.4 93.6 93.6 95.5 95.5 96.3 97.0 97.0 97.8 97.8 99.6 GE GE 86.1 91.0 99.3 99.6 99.6 99.6 99.6 99.3 86.1 86.8 2001 27.7 1001 27.7 66.3 97.4 98.1 100.0 100.0 97.4 96.3 98.1 99.6 100.0 67.4 73.4 82.4 86.1 80.8 91.3 93.6 95.5 100.0 100.0 21 27.7 98.1 99.6 170.0 100.0 100.0 GΕ 67.4 73.4 82.4 86.1 88.8 95.5 96.3 97.4 91.0 93.6

# PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VFRSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USTR

PEP10D OF RECORD: 77-86

MONTH: NOV FOURS(LST): 1200-1400

												MONTH			(LST):		
	LING	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••			IN STATI			• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••••
		GE	Œ	GE	GE	GE	GE	GE	GE	GE	GE	G.E	Gį	GE	GE	GE	GE
	ET I		L	5	4	3		2	1 1/2	1 1/4	1	1/4	5/8	1/2	5/16	1/4	0
٠.,										• • • • • • •							
												• "	• •	0.6	٥.,	9.4	6.4
NO	CEIL I	4 • 2	7.3	7.7	8.5	9.0	O• 3	R.0	8 • 4	9 • 4	8 • 4	. 4	8.4	8.4	8.4	4.4	8.4
t.F	200001	7.7	12.2	12.6	13.3	13.3	13.3	13.3	13.6	13.6	13.6	17.6	13.6	13.6	13.6	13.6	13,6
	180001	7.7	12.2	12.6	13.3	13.3	13.3	13.3	13.6	13.6	13.6	13.4	13.6	13.6	13.6	13.6	13.6
	160001	7.7	12.2	12.6	13.3	13.3	13.3	13.3	13.6	13.6	13.6	17.6	13.6	13.6	13.6	13.6	13.6
	147001	7.7	12.2	12.6	13.3	13.6	13.6	13.6	14.C	14.C	14.0	14.0	14.0	14.0	14.0	14.0	14.8
υE	127001	7.7	12.2	12.6	13.3	13.6	13.6	13.6	14.C	14 . C	14.0	14.C	14.3	14.0	14.0	14.0	14.0
	100001		22.4	20.5	••	20 "	20.4	30.1	30.8	30.8	-0.0		20	30.9	30.8	30.8	36.8
				24.5	28 • 0	29.4	29.4	_		-	₹0.8 31.1	37.8	10.8				
GE	37.001		22.4	24.5	28 • 3	29.7	29.7	30.4	31.1	31.1		31.1 31.1	31.1 31.1	31.1 31.1	31.1 31.1	31.1	31.1
GE.	80001 70001		22.4	24.5 24.5	28 • 3	29.7	29.7	30 • 4	31.1	31.1 31.1	31 • 1 31 • 1	31.1	31.1	31.1	31.1	31.1 31.1	31.1 31.1
GE.	60001		22.4	24.5	28.3 28.3	29 • 7 29 • 7	29•7 29•7	30.4 30.4	31.1 31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
UE	0 601	10	22.4	24.5	20.3		29.1	3 () • 4	31.1	31.1	>1 • 1	21.1	21.1	31.1	,1.1	31.1	71.1
üΕ	sacot	17.6	22.4	24.5	28.3	29.7	29.7	30.4	31.1	31.1	31 - 1	31.1	31.1	31.1	31.1	31.1	31.1
ĢĒ	45001	13.6	22.7	24.8	28 • 7	30.1	30.1	37.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
€	41.001		22.7	24.8	28 . 7	39.1	30.1	30.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
υE	3° 00		23.1	25.2	29.0	30.4	30.4	31.1	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
Œ	30001	14.7	25.5	28.0	31.6	33.2	33.2	33.0	34.6	34.6	34 • 6	34.6	34.6	34 • 6	34.6	34.6	34.6
υE	25,001	i 7. 1	30.1	33.2	37 • ⋳	39.2	39.2	39.9	40.6	40.6	40.6	47.6	40.6	40.6	40.6	47.6	40.6
ΰĒ	21001		36.4	39.5	44.6	46.2	46.2	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE	10001		40.2	43.4	49 . 5	50.3	50.3	51.7	52.4	52.4	52.4	57.4	52.4	52.4	72.4	52.4	52.4
LΕ	15601		45.7	53.5	60.5	62.9	63.6	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
Ū€.	10001		50.0	62.0	71.7	76.9	78.0	79.7	81.i	81.5	A1.5	81.8	81.8	81.9	A1.8	91.R	81.8
	10001							=					0.0.0		02.3		
GΕ	10001		61.9	66 • 6	77 • 5	83.9	85 · C	87.4	89.2	89.5	89.5	89.9	89.9	90.2	93.2	90.2	90.2
υĹ		26.2	63.3	68.2	79.0	85.7	87.4	89.9	91.6	92.0	92.0	92.3	92.3	92.7 94.4	92.7	92.7 94.8	92.7 94.8
υE		26.6	63.6	68.5	79 - 7	86.4	88.5	91.6	93.4	93.7	93.7	94.1	94.1				
GE GE		26.9	64.3	69.2	80.4	P7.1	89.2	92.7	94.4	95.1 96.9	95 • 1 96 • 9	95.5 97.6	95.5	95 • 8 97 • 9	96.2	96 • 2 98 • 3	96.2 98.3
UĽ	6.501	65.4	65.0	69.9	81.1	88.1	96.6	94 • 1	95.8	70.7	46.4	7 ' • C	71.0	,,,,	98.3	40.0	76.3
GE	5001	25.9	65.9	69.9	91.1	89.1	90.6	94.1	96.2	97.6	97.6	98.3	98.3	98.6	99.0	99.0	94.0
GΕ		26.9	65.0	69.7	81.1	88.5	91.3	94.8	96.9	98.3	98.3	99.0	99.0	99.3	99.7	99.7	99.7
GΕ		26.9	65.7	69.7	81.5	8.88	91.6	95.1	97.2	98.6	98 • 6	99.3	99.5	99.7	100.0	160.0	100.0
IJΕ		26.9	65.ú	69.9	81.5	8.83	91.6	95.1	97.2	98.6	98.6	99.3	99.3	99.7	100.0	100.0	100.0
GΕ	1001	26.9	65.6	69.7	61 • 5	8•98	91.6	95.1	97.2	98.6	o8 %	99.3	99.3	99.7	100.0	100.0	100.0
GE	e I	26.9	65.6	69.9	91.5	8 A . 8	91,6	95.1	97.2	98.6	98.6	99.3	99.3	99.7	100.0	100.0	100.0
-							-										

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86
MONTH: NOV POURS(LST): 1500-1700

											MONTH				1500-17	
EILING			• • • • • •		• • • • • •	******			IN STATE			• • • • • • •	• • • • • • •	•••••	• • • • • • •	•••••
	σĘ	CF	GE	GΕ	G€	GE	Gε	GF	GE	GE	SE	Gf	GŁ	GE	UF	Œ
FEET 1	_	,,,,,,,				2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	3
					10.0											
CEIL I	4.8	8.6	9.9	9.6	10.0	10.6	10.0	10.C	10.C	10.3	17.3	13.3	10.3	10.3	10.3	10.3
200001	6.9	12.0	12.4	13.1	13.7	13.7	13.7	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
180001	€.9	12.0	12.4	13.1	13.7	13.7	13.7	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
190001	6.7	12.0	12.4	13.1	13.7	13.7	13.7	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
140001		12.0	12.4	13.1	13.7	13.7	13.	13.7	13.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
120471	6.0	12.4	12.7	13.4	14.1	14.1	14.1	14.1	14.1	14.4	14.4	14.4	14.4	14.4	14.4	14.4
100001	14.1	22.0	23.4	26.1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
90031	14.1	22.0	23.4	26 . 1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
81001	14.1	22.0	23.4	26 • 1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
11.001	14.1	22.0	23.4	26 . 1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
67201	14.1	22.0	23.4	26 • 1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
50001	14.1	72.6	23.4	26 . 1	27.1	27.1	27.1	27.1	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5
41001	14.1	22.3	23.1	26 + 5	27.5	27.5	27.5	27.5	27.5	27 · g	27.8	27.8	27.5	27.8	27.8	27.8
4100	14.4	2 1.0	24.4	27.1	28.2	28.2	28.2	28.2	25.2	28.5	29.5	28.5	28.5	28.5	24.5	28.5
35 674		24.1	25.4	25 . 2	29.2	29.2	29 • 2	29.2	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6
\$1 UD1	15.8	2ۥ1	27.5	30 • ¿	31.3	31.3	31.3	31.3	31.3	31.6	31.6	11.6	31.6	31.6	31.6	*1.6
25,001	14.7	11.3	33.0	36 . 4	37.5	37.5	37.5	37.5	37.5	37.8	37.8	37.6	37.8	17.8	37.8	37.8
22001	21.6	36.5	43.5	45 . 7	47.1	47.1	47.4	47.4	47.4	47.8	47.8	47.8	47.9	47.8	47.8	47.8
19 00 1	22.7	43.5	45.7	51 - 2	52.9	52.9	53.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.D	54.3
15 101	25.A	55.9	54.3	66.9	63.2	63.2	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
10.00	27.8	55.8	63.9	73.6	77.0	70.7	79.7	90.4	80.4	91.1	81.1	91.1	81.1	91.1	81.1	A 1 . 1
10001	44.0	64.6	67.1	19.7	84.5	86.9	88.7	89.3	69.7	90.4	97.7	90.7	90.7	90.7	90.7	9C • 7
9 3 3 1	27.0	65.3	67.8	80.8	65.6	86.0	89.7	93.7	91.4	92.1	47.4	92.4	92.4	92.4	92.4	92.4
e ( nj	, a , G	t	70.1	91.8	86.9	96.6	92.1	93.5	94.2	94.8	9 = . 2	75.2	95.2	95.2	95.2	95.2
7.01	29.9	66.3	77.8	82.8	AB.S	92.1	94.2	95.5	96.2	96.9	97.3	67.3	97.3	97.3	97.3	91.3
V 0.1	28.9	6 <b>6 .</b> 3	71.1	93.2	89.0	92.8	94 . A	96.2	96.9	97.6	97.9	97.9	97.9	97.9	97.9	97.9
5001	24.9	66.3	71.1	P3.2	89.9	92.8	94.8	96.6	97.3	98.3	90.6	98.6	98.6	98.6	98.6	98.6
4 ( ) [	; n . q	16.3	71.1	83.2	89.0	93.1	95.2	97.6	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7
	8.9	66.3	71.1	93.2	A . L	93.1	95.2	97.6	98.1	99.3	90.7	99.7	99.7	99.7	99.7	99.7
7.004	24.9	56.3	71.1	A3.2	83.0	93.1	95.2	97.6	98.3	99.3	99.7	97.7	99.7	99.7	99.7	99.7
	C3.0	56.3	71.1	93.2	89.0	93.1	95.2	97.6	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0
5.1	0	66.3	71.1	83.a	89.6	93.1	95.2	97.6	98. !	99.3	99.7	99.7	99.7	100.0	100.0	100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PER100 OF PECORD: 77-86 MONTH: NOV HOURS (LST): 1800-2000 VISIBILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 IN | GE FEET | 1 CE GE GE GE 2 1 1/2 1 1/4 GE 1 Gŧ GE GE 3/4 5/16 5/8 1/2 1/4 NO CETE 1 6.2 8. . 9.5 10.7 17.7 14.7 13.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7 17.7 10.7 OE 200001 #42 6E 180001 #42 GE 19001 #42 12.7 16.3 11.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 10.3 11.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 17.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 10.3 11.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 ⊍E 12~601 11.3 15.8 19.4 19.6 19.6 19.9 19.9 20.3 20.6 20.6 20.6 20.6 20.6 2.1.6 20.6 20.6 19.9 19.9 20.3 20.3 90001 11.3 87.01 11.3 15.8 15.8 18.2 19.6 20.6 20.6 21.0 21.0 20.6 GE. 19.6 17.9 20.3 25.6 20.6 20.6 23.6 20.6 20.6 20.3 20.6 20.6 20.6 20.6 7: 501 11.3 15.8 18.6 19.9 19.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0 60001 11.3 19.6 29.6 5: 001 11.3 19.9 21.5 21.0 21.0 18.6 19.9 20.3 20.3 20.6 21.0 21.0 21.0 21.0 21.0 45001 11.3 40001 12.4 15.8 19.9 21.6 22.3 21.0 22.7 27.4 GE 19.6 20.3 22.0 22.7 21.0 21.0 21.u 22.7 21.0 22.7 21.0 22.7 21.0 21.0 22.7 20.3 20.6 22 · 3 23 · C 22.7 22.7 ٠ŧ 21.6 23.4 26.5 23.4 23.4 23.4 21.3 25.8 36.5 GE 25271 16.2 31.2 31 • 6 40 • 9 45 • 7 36.€ 31.6 32.0 32.0 32.3 32.6 32.6 32.6 32.6 32.6 32.6 35.1 38.8 2: 00 | 21.3 1800| 23.4 39.2 43.3 41.9 46.7 59.1 47.3 47.1 41.6 46.4 41.6 42.3 47.1 42.3 47.1 42.3 47.1 42.3 47.1 42.3 47.1 42.3 47.1 42.3 6.1 45.7 15031 27.5 47.1 59.8 52.9 57.7 57.7 58.4 59.4 59.8 59.8 59.8 59.B 59.E 31.3 78.7 79.3 83.1 63.9 PD . E P1.1 81.1 91.1 61.1 81.1 1/60| 32.6 900| 32.6 800| 32.6 700| 33.0 600| 33.0 u 2.6 ΰŁ 61.1 86.6 88.3 90.4 88.3 89.3 99.3 87.3 89.7 89.7 89.7 89.7 89.7 84.5 87.3 91.8 ÚΕ 54.6 71.5 72.4 82.5 84.2 86.3 88.3 99.3 93.4 91.4 93.8 91.4 91.4 91.8 91.8 91.8 91.8 91.8 94.2 94.2 94.2 94.2 7001 14. 6001 33. 16.0 95.2 66 73.5 A5 . 2 73.5 93.4 95.6 92.8 94.2 95.9 97.3 97.6 97.9 100 74.6 66.7 91.8 94.5 66.6 91.4 95.2 96.9 98. 1 78. . 98.6 99.3 99.0 99.0 99.0 93.8 95.2 95.5 4001 33.0 7001 37.0 74.6 66.7 91.4 96.9 86.6 99.3 99.6 99.6 98.3 98.3 98.6 99.0 99.0 99.0 99.0 67.C 86.9 98.6 99.3 99.3 94.2 99.0 91.8 95.5 98.6 98.6 99.3 190.0 97. 3 100.0 100.0 09.3 67.0 100.0 11 23.0 95,5 57. -74.9 97.3 99.6 99.5 99.3 100.0 100.0 100.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY CUSERVATIONS

STATION NUMBER: 2255UC STATION NAME: ARKHANGELSK USSR PEPIOD OF RECORD: 77-86 MONTH: NOV HOURS (LST): 2100-2300 VISIBILITY IN STATUTE MILES GF GE GE 4 3 2 1/2 GE GE GE GE GE 2 1 1/2 1 1/4 1 3/4 IN I DE GE FEET I 10 e GŁ GE 5/8 1/4 1/2 13.5 13.F 13.8 NO CEIL 1 9.7 12.8 13.5 13.5 13.5 13.5 13.8 13.8 13.6 13.8 13.1 13.5 13.5 65 200001 14.5 14.5 14.5 14.5 14.9 13.5 14.5 14.5 14.9 9.7 14.2 14.5 14.5 14.5 14.5 14.0 14.9 14.9 14.9 14.9 14.9 14.9 14.9 6E 16700| 6E 16700| 6E 14000| 9.7 14.5 14.5 14.9 14.9 13.5 14.2 14.5 14.5 14.5 14.5 14.9 14.9 14.9 14.9 9.7 14.5 14.9 14.9 13.5 14.5 14.5 14.5 14.5 14.5 14.9 14.5 14.5 14.9 14.9 14.9 13.5 14.2 14.5 14.5 14.5 14.5 GE 12rcol 14.5 27.1 27.1 27.1 UE 100001 13.5 15.3 20.8 21.5 21.8 21.8 21.8 22.1 22.1 21.8 21.8 22.1 22.1 9000| 13.5 8000| 13.5 7000| 13.5 22.1 15.0 15.3 20.8 21.5 21.8 22.1 22.1 22.1 22.1 21.5 21.8 21.8 21.8 21.8 21.8 úΕ 21.8 21.8 21.8 21.5 15.0 20.6 21.5 21.8 21.8 22.1 22.1 22.1 60 CCT 13.5 22.1 GΕ 15.6 20.0 21.5 21.5 21.8 21.8 21.8 21.8 21.8 22.1 22.1 22.1 22.1 22.5 LE 50001 13.5 15.4 21.1 21.8 21.A 22.1 22.1 22.1 22.1 22.5 22.5 22.5 22.5 22.5 υE 45 001 13.5 41 001 12.8 19.4 21.6 22.1 22.1 22.1 22.5 22.5 22.5 22.5 22.5 22.5 21.1 22.1 22.1 22.5 22.8 22.8 22.8 23.2 ЬE 31 UP | 13.8 31 CC | 14.5 23.2 23.5 υ£ 21.1 22.9 23.5 23.5 23.9 23.9 24.7 24.2 2500| 19.7 2700| 22.9 1803| 24.2 1500| 25.3 28.7 30.4 í.F 21.0 29•d 29.8 3C -1 30.1 30.1 33.1 30 - 1 39.4 30.4 30.4 30.4 30.4 35.6 15.4 ١E 39.1 45.J 39.4 45.7 52.9 39.4 45.7 39.4 39.9 39.8 39.8 39.8 39.8 39.4 45.7 39.8 3° • 1 39.4 45.7 52.9 45.7 46 • P 46.0 53.3 46.5 53.3 46.0 53.3 θE 42.6 46.0 46.0 4 1.5 49.4 53.3 51.9 52.5 52.9 53.3 1,5 51.2 52.6 GÈ 12001 30.4 56.7 70.9 10001 31.8 61.2 68.9 85.1 ar..5 85.8 85.8 65.8 6E 9001 31.8 77.9 78.5 81.3 85.1 93.4 87.5 86 • 2 90 • 7 87.5 92.4 87.9 87.9 80.2 89.6 93.8 88.6 88.6 88.6 93.8 88.6 AC | 32.2 65.7 74.0 92 J 92.7 93.1 97.4 93.8 93.8 A3.. 95.2 96.2 96.2 L.F 7601 32.5 56.8 75.4 €6.5 88.9 92.4 94.5 94.8 95.5 96.2 96.2 96.2 96.2 75.4 87.2 95.5 66.8 83.7 89.6 5601 32.5 GE 67.5 16.5 91.0 96.9 97.2 97.9 98.3 99.0 99.3 99.0 99.3 99.0 94 . c 68.2 94 .8 4001 32.5 7001 32.5 67.5 76.5 76.5 84.6 84.8 97.9 9A.3 99.0 99.3 99.3 99.3 99.3 91.G 91.0 94.8 96.9 91.2 88.2 2001 32.5 67.5 97.9 94.8 96.9 100.0 100.0 1401 32.5 67.5 76.5 97.9 100.0 100.0 100.0 1 32.5 67.5 99.7 103.0 100.0 100.0 6E 76.5 84.6 88.2 71.0 94.8 96.9 97.2 97.9 98.3 99.3

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

\$11	ITICN N	UMPER:	225500	STATI	CR NAME:	ARK	HANGELSK	USSR				PERIOD MONTH	OF PEC		-86 (LST):	ALL	
• • •												• • • • • •					•
	LING									IN STATE							
		GE	CE	G.E.	6F	GE	GF	GE	Gr	GE	GE	ÜΕ	GE	GE	GE	GE	GΕ
-		10	ť.	5	4		2 1/2		1 1/2		1	1/4	5/8	1/2	c/16	1/4	Ü
••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
					1 - 4		15 -			,, ,		11				11 0	11.0
NU	CEIL	5.6	5.5	13.3	10.8	10.9	1 C • 9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
6.5	263601	9.3	12.3	12.8	13.4	13.5	13.5	13.5	13.6	13.6	13.6	17.7	13.7	13.7	13.7	13.7	13.7
	180001	9.3	12.3	12.8	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7
	16765		12.3	12.5	13.4	13.5	13.5	13.5	13.6	13.6	13.6	1 ? . 7	13.7	13.7	13.7	13.7	13.7
	140001		12.3	12.5		13.5	13.5	13.6	13.6	13.6	13.7	12.7	13.7	13.7	13.7	13.7	13.7
					13.4											13.8	
UE	130001	H . 3	12.4	12.6	13.4	13.6	13.6	13.6	13.7	13.7	13.7	13.8	13.8	13.8	13.8	10.0	13.8
( F	100001	12 7	15.2	20.4	22.6	22.4	22.6	22.8	22.9	22.9	23.p	27.1	23.1	23.1	23.1	23.1	23.1
GE	97001			20.4	22.0				22.9	23.0	23.1	2 3 4 1	23.1				
			15.2			22.4	22.7	27.8						23.1	23.1	23.1	23.1
υE	81001		15.2	23.4	22.0	22.4	22.7	22.8	22.9	23.0	23.1	27.1	73.1	23.1	23.1	23.1	23.1
GΕ	70001		15.2	27.5	22.1	22.4	22.7	22.8	23.C	23.C	23.1	2 7 • 1	23.1	23.1	23.1	23.1	23.1
υE	60001	12.3	15.2	20.5	22.1	22.4	22.1	22.8	23. €	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1
6E	50601	1 2 2	15.3	20.6	22.2	22.6	22.9	23.0	23.1	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
υE	45.00		15.5	23.8	22.4	22.6	23.1	23.2	23.4	23.4	23.5	27.5	23.5	23.5	23.5	23.5	23.5
GE	40001		26.2	21.5	23.1			24.0	24.1	24.1	24.2	24.3	24.3	24.3	24.3	24.3	24.3
						23.5	23.8		-								
GE	35.001		21.3	22.6	24 • 2	24.6	24.9	25.0	25.2	25.2	25.3	2 * • 3	25.3	25 • 3	25.3	25.3	25.3
υ£	30,001	14.4	23.1	24.5	26 • •	26.5	26.8	26.9	27.1	27.1	77.2	27.2	27.2	27.2	21.2	27.2	27.2
υE	25 cml	16.9	27.5	29.1	31 · u	31.4	31.8	31.9	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2
ÜĒ	37 30 1		35.1	37.2	39 • 7	40.2	40.6	4C.8	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1
ÜĒ	18 (5)		34.9	41.3	44.4	44.9	45.4	45.7	45.8	45.9	46.C	46.0	46.П	46.0	46.0	46.0	46.0
U£.	15201		46.7	5.7 • G	54 . 3	55.4	56.0	56.4	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
υE	12001		5 6 • 3	62.0	69 • 6	72.2	73.7	74.5	75.3	75.5	75.9	76.3	76.1	76.2	76.2	76.2	76.2
O.C.	12021	23	76.3	02.0	07.0	12.02	13.1	74.5	13.3		, 3 . 7	16.3	10.1	10.2	10.0	10.2	1012
₽	12021	29.5	6 1.2	68.6	76 • d	80.4	82.3	83.7	84.9	85.5	P5.8	86.0	P6.1	86.4	86.4	86.4	86.5
ti E		7.7	64.9	70.4	79.0	82.8	84.9	86.6	83.2	88.9	99.3	89.4	89.6	89.9	89.9	69.9	92.0
6£			65.8	71.6	PC . 7	84.7	87.0	89.0	90.7	91.4	71.9	97.1	92.2	92.6	92.6	92.6	92.7
υE		, r • r	65.6	72.0	82.6	86.9	69.4	91.4	93.3	94.1	94.7	94.9	95.2	95.5	05.6	95.6	95.7
GE		:C.1	66.9	73.4	93.4	87.9	96.7	92 .R	94.6	95.5	96.2	95.5	96.7	97.2	97.2	97.2	97.3
0.0	( 3'. 1		0(.,	, , • •	33.4	67.5	, , , ,	72.0	14.0	73.5	.0.2	7 1 5 3	70.1	71.02	* 1 • 2	77.62	****
6E	5 601	37.2	61.2	73.8	83.9	88.5	91.4	93.5	95.5	96.5	97.2	97.6	97.9	98.3	98.4	99.4	98.5
6€		30.2	67.2	73.8	84 • C	88.7	91.7	93.8	95.9	96.9	97.7	99.1	98.4	98.9	99.0	99.0	99.1
GE		37.2	67.3	73.9	94.2	88.9	91.9	94.0	96.1	97.1	97.9	99.3	98.6	99.1	99.3	99.3	99.3
νE		70.2	67.3	73.9	84.2	83.9	91.9	94.0	76.1	97.1	97.9	90.4	98.7	99.4	99.8	99.8	99.9
68		33.2	67.3	73.9	84 . 4	88.9	91.9	94.0	96.1	97.1	97.9	99.4	98.7	99.4	99.9	99.9	100.0
31	1001	3002	0 (+ 2	13.4	0406	9947	71.7	74.0	70.1	77.1	,,,,	, 4	7911	7744	7717	7747	100.0
٥E	~1	77.2	67.3	73.9	84.5	88.9	91.9	94.0	96.1	97.1	97.9	9 . 4	98.7	99.4	99.9	99.9	100.0
	-		-						• •	· · · •					•		

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PEPIOD OF PECORD: 77 86 MONTH: DEC HOURS(LSI): 0060-0200 CE IL ING VISIBILITY IN STATUTE MILES G€ GE FEET | 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 Э NO CETE 1 12.5 19.1 19.4 19.1 19.4 19.4 19.4 19.4 19.4 17.1 18.1 18.4 19.4 19.4 19.4 19.7 GE 200001 11.8 20.1 21.4 21.7 23.0 23.7 24.3 24.3 25.0 25.1 25.0 25.3 22.4 25.0 25.0 25.0 25.0 25.3 21.7 22.4 23.0 23.7 25.0 25.0 25.0 25.3 GE 18000 11.8 25.1 21.4 24.3 24.3 25.0 25.0 25.0 20.1 21.7 25.0 25.0 GE 160001 11.8 21.4 22.4 23.0 23.7 24.3 24.3 25.0 25.0 25.0 22.4 140001 11.8 20.1 21.4 21.7 23.0 24.3 25 . C 25.0 25.3 24.3 25.0 25.0 25.0 GE 120301 11.6 23.0 24.3 25.0 25.3 42.4 42.4 42.4 100001 17.8 29.6 32.9 36 . 5 38.8 39.5 39.5 41.1 41.8 42.4 42.4 42.4 42.4 42.8 41.8 42.4 25.6 90001 17.8 32.9 36.5 38.8 41.1 41.8 41.8 42.4 42.4 42.4 42.4 42.4 42.4 42.8 42.8 GΕ 80001 17.8 25.6 32.9 36 . 5 38.8 39.5 42.4 GΕ 7000| 17.8 6000| 17.8 42.1 42.1 42.8 42.8 42.8 42.8 25.9 33.2 36 . 8 39.1 39.8 41.4 42.8 42.8 42.3 42.8 42.8 36 . 8 39.1 39.6 43.1 23.2 42.1 42.8 42.8 42.8 5"001 17.8 29.9 33.2 39.1 39.8 42.8 42.1 42.1 42.8 42.9 42.8 4500| 17.8 4000| 18.8 29.9 33.2 41.4 42.1 43.1 42.8 47.8 42.9 42.8 36 . 8 39.1 39.8 42.1 43.1 42.9 42.8 43.1 GΕ 37.8 46.8 40.1 ĿΕ 43.8 43.8 44.1 32.2 35.5 39 - 1 41.4 42.1 GE 35.4 39.5 41.8 42.4 44.1 44.7 44.7 45.4 45.4 45.4 45.4 45.4 45.7 35.9 39.8 47.0 25 001 21.7 43.0 46.4 4R.7 49.3 49. 1 50.0 ъE 50.0 50.0 50.0 50.0 50.0 50.3 20001 27.4 19001 23.4 36.6 44.1 46.4 51.3 52.0 53.6 58.9 54.3 54.9 υE 4.9 54.9 60.2 54.9 54.3 54.9 55.3 54.9 6.8 41.6 47.7 53.0 56.6 10.2 60.2 60.2 66.5 1501 24.7 1701 25.3 54.6 67.1 69.7 70.7 70.7 70.7 70.7 (,€ 62 • 2 74 • 1 65.1 68.8 69.7 70.7 73.7 71.1 5 2 . 6 63.5 10031 25.7 υF 56.6 64.1 17.3 82.2 85.2 87.2 88.5 69.1 3,00 97.P 93.4 90.8 90.8 93.8 90.8 31.1 GE 9301 26.3 65.1 78 . 6 91.1 92.4 93.4 93.4 94.7 93.4 94.7 93.4 94.7 93.8 95.1 84.2 87.2 89.1 91.8 93.4 P261 26.3 7301 26.3 57.0 85.5 88.5 90.5 94.7 94.7 65.5 65.6 86.7 87.2 91.4 92.8 93.8 95.1 υŁ 57.9 80.3 89.5 94.4 96.4 94.4 96.4 96.7 96.7 96.7 97.0 GE 6501 26.3 96.8 96.0 90.0 98.0 98.4 96.1 9 R . 4 91.1 93.1 95.4 96.4 98.4 98.4 98.7 98.7 99.0 98.7 4rni 26.3 2001 26.3 5 8 • 6 5 8 • 9 66.8 95.4 96.4 9P.4 98.4 98.7 99.0 98.7 99.0 U.F 81.3 87.5 91.1 93.1 98.4 98.7 99.0 91.4 98.7 99.0 91.6 87.8 93.4 2031 20.3 1001 26.3 GE 5 F. 9 67.1 81.6 99.3 99.3 99.7 54.9 GF 67.1 81.6 87.8 91.4 93.4 95.7 96.7 98.7 98.7 98.7 99.3 99.3 99.3 100.0 1 26.3 67.1 58.9 81.6 A7.8 ĿΕ 91.4 93.4 95.7 96.7 98.7 9 R . 7 98.7 99.3 99.3 99.3 100.0

AIR WEATHER SERVICE/MAC

# DE OBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY INSAFETACE FROM HOURLY OBSERVATIONS

STATICH NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF PECORD: 77-86 MONTH: DEC HOURS(LST): 0300-0500 VISIBILITY IN STATUTE MILES

GE GE GE GE GE GE GE
4 3 2 1/2 2 1 1/2 1 1/4 1 7/4 5/6 Th | NE FEET | 10 CE GE G.E. 1/2 5/16 1/4 NO CETE | 11.3 16.5 17.€ 18.9 19.6 20.6 20.6 20.6 20.6 20.6 20.6 20.9 20.9 GE 200001 12.0 GE 180001 12.0 GE 160001 12.0 18.9 19.6 20.6 21.6 21.6 22.3 23.3 23.3 23.3 2 \* . 2 23.9 23.9 23.9 24.3 24.3 18.9 20.6 20.6 21.6 21.6 22.3 23.3 23.3 23.3 27.9 23.9 23.9 23.9 17.6 24.3 24.3 19.6 24.3 21.9 20.6 23.9 23.9 24.3 18.9 19.0 21.6 23.3 23.3 23.3 24.3 17.0 23.3 23.3 23.3 21.6 22.3 43.5 44.9 NE 100001 14.9 31.6 33.6 38.5 46.9 42.2 43.9 43.9 44.9 44.9 44.9 90001 16.9 6 201 16.9 70221 16.9 65201 16.5 38 • 5 39.9 40.9 42.2 43.5 43.9 43.9 44.9 44.9 44.9 45.2 45.2 31.6 33.6 31.6 31.6 38.5 38.5 39.9 39.9 4 C . 9 44.7 44.9 33.6 42.2 43.9 45.2 45.2 33.0 43.5 43.9 43.9 42.2 11.6 33.0 36.5 19.9 40.9 42.2 43.5 43.9 43.9 44.9 44.9 44.9 44.9 45.2 45.2 5000| 16.9 4500| 17.3 4 00| 17.9 35.01 18.3 35.01 19.7 11.1 44.9 44.9 3 3 . 6. 38.5 39.4 40.9 41.5 43.9 43.9 45.2 45.2 42.2 44.9 44.9 43.9 45.7 45.2 41.2 42.5 44.2 45.2 45.5 40.2 44.2 45.5 31.9 35.9 36 . 4 39.5 41.9 43.2 44.5 44.9 44.9 45.0 45.8 45.A 46.2 35.2 43.9 46.5 40.2 41.5 42.5 45.2 45.5 45.5 46.5 46.5 46.5 46.5 25 Uni 19.6 27 Uni 17.7 19 Uni 11.9 15 Uni 17.3 15 Uni 18.2 15.5 38.5 43.5 44.9 45.8 47.2 43.5 48.8 48.8 49.P 49.8 49.8 49.8 50.2 50.2 35.2 53.6 55.5 42.9 45.5 46.2 51.5 56.8 54.5 55.8 · t 49.8 52.2 54.2 54.5 55.5 55.5 55.5 55.8 53.5 55.8 57.5 57.8 58 - 1 59.1 59.1 59.1 59.1 59.5 4 . . . 53.2 61.8 67.1 69.1 82.1 70.8 70.8 70.8 70.8 71.1 71.1 78.1 80.1 84.7 112 | 19.9 9191 | 15.9 9101 | 25.9 91.7 91.7 91.7 92.0 54.1 56.5 62.5 77.4 82.1 84.4 86.7 89.0 90.5 90.7 91.7 92.0 62.8 78.7 90.7 91.7 92.4 93.4 93.4 93.4 73.4 93.7 93.7 86.0 97.0 57.0 96.0 88.7 93.7 94.4 96.7 96.7 96.7 97.0 +1 64.1 90.4 E5.4 90.7 95.C 96.7 97.7 91.4 64.4 96.7 90.0 92.7 95.7 101 26.2 4101 26.2 1001 26.2 t 5 . t. 97.3 99.1 99.0 99.3 99.3 99.7 99.7 64 .H 81.4 87.0 90.4 93.0 96.C 98. .. 58.5 58.8 , į 98.C 98:3 99.0 77.3 99.J 99.3 99.3 99.7 64.e 81.4 90.4 93.0 97.1 97.7 87.L 96.C 90.1 87.4 96.3 99.3 99.7 100.0 100.0 1 2 26.2 99.3 99.3 54.4 65.1 98.3 81.7 87.4 96.7 91.4 96.3 99.7 100.0 100.0 1 25.2 65.1 96.7 93.4 96.3 98.3 90.5 99.1 99.3 99.7 100.0 130.0

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIRILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR PEPIOU OF RECORD: 77-86 MONTH: DEC FOURSILSTI: 0600-0800 CE 1L 1116 VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GE GE GE GE GE GE 2 1 1/2 1 1/4 1 1/4 IN | GE FEET | 10 GE GE GE 5/8 1/2 5/16 18.7 19.C 19.4 19.4 NO CETL | 11.2 17.7 18.7 16.7 19.4 19.4 19.7 16.7 18.0 19.4 19.7 19.7 GE 200001 13.3 24.5 24.5 24.5 23.1 23.8 24.8 24.8 2 [ . 4 21.6 22 • 1 22.8 22.8 24.1 24.1 24.5 24.8 24 - A GE 187031 13.3 24.1 22.8 23.8 24.5 24.8 24.8 24.1 20.4 21.8 22 · i 22.8 23.1 24.1 24.1 SE 160001 13.3 25.4 21.8 22.1 22.8 23.1 23.8 24.5 24.5 24.5 24.8 24.8 24.8 GE 140001 13.3 GE 120001 13.7 23.8 24.5 24.5 24.5 24.8 24.8 20.4 21.8 22.1 22.8 22.8 23.1 24.5 24.A 24.8 23.1 23.8 37.4 40.8 41.5 41.5 GE 100001 15.6 36 . 1 92001 15.6 80001 15.6 29.9 33.3 37.4 37.4 39.5 39.5 41.2 41.2 GE 36 • 1 40.1 40.8 41.5 41.5 41.5 41.8 41.8 41.8 41.5 41.5 ĠΕ 40.8 41.5 41.8 41.8 41.8 36 . 1 40.1 39.5 40.8 60001 15.6 41.5 41.5 41.8 33.3 36 • 1 39.5 40.1 40.8 41.2 41.2 41.5 41.8 41.8 50001 15.6 29.9 37.4 40.8 41.2 41.5 41.8 41.8 GE 33.3 36 . 1 39.5 40.1 41.2 41.5 41.5 41.8 45001 15.6 41.2 41.5 42.5 43.2 41.5 29.9 33.3 36 . 1 37.4 39.5 40.1 40.8 41.2 41.5 41.8 41.8 41.8 GE 4000 16.3 3000 16.7 41.8 41.8 42.5 42.5 42.5 42.9 43.5 31.0 34.4 37 . 1 38 . 4 4 C • 5 42.2 42.9 42.9 37 . 8 39.1 41.2 35.0 30001 17.7 36.4 40.5 43.2 43.9 44.6 25001 18.7 42.9 47.3 47.3 47.3 GE 35. C 38.4 41.5 44.9 45.6 46.3 46.6 46.6 44.0 46.9 46.9 2000| 19.7 1800| 20.1 1500| 21.4 51.0 55.8 37.4 41.5 45.6 47.3 49.3 50.7 51.0 51.4 51.4 56.1 51.4 56.1 51.7 51.7 GΕ 50.0 51.7 39.5 GΕ 50 • u 52.C 54.1 54.8 55.4 55.8 56.1 56.5 56.5 51.4 62.6 65.3 79.3 66.0 67.0 67.7 6 P + C 8 3 + 3 GE 58.8 67.7 69.0 68.0 68.4 68.4 10001 24.1 55.1 62.9 76.9 90.1 91.2 91.5 91.8 91.8 92.2 92.2 63.3 64.6 65.6 5E 9001 24.5 8001 24.5 55.4 55.8 78 . 2 86.4 89.5 90.5 93.5 92.2 95.2 93.2 93.5 93.9 93.9 93,9 94.2 94.2 94.2 89.5 96.9 97.3 96.6 96.7 81.0 92.5 96.3 6.5 7001 24.5 56.8 97.6 99.0 98.0 98.0 94.3 98.1 98. 3 98.6 66.0 82.7 95.2 98.3 98.6 99.0 6E 91.2 96.9 99.6 66 5001 24.A 57.1 65.0 83.6 91.5 94.9 95.9 97.6 98.6 99.9 90.1 99.3 99.3 99.1 99.7 99.7 99.3 99.7 4001 24.8 7001 24.8 99.0 99.3 99.3 uE GE 83.0 94.9 95.9 97.6 98.6 99.7 66.C 91.5 94.9 97.6 57.1 91.5 95.9 99.3 99.7 83.6 98.6 99.0 99.3 99.7 99.7 2031 24.8 100.0 99.0 100.0 100.0 98 . 6 1001 24.8 66.0 83.0 95.9 97.6 99.6 97.3 99.3 99.3 100.0 100.0 21 24.8 57.1 66.5 83.U 91.5 94.9 95.9 97.6 98.6 99.0 99.3 99.3 99.3 100.0 100.0 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFHSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF PECORD: 77-86

MANUSCRICTION 0937-1100

MONTH. DEC

AIR WEATHER SERVICE/MAC

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

											HONTP			11211:			
CEILING	• • • • • •	• • • • • • •	• • • • • • • •		•••••				IN STATE				• • • • • • •	• • • • • • •	• • • • • • •	•••••	•
IN   FEET	GE 10	CE 6	6 E 5	GE 4	GE 3	GE 2 1/2		GE 1 1/2		GE 1	6E 374	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE G	
NO CEIL I		13.2	13.6	14.3	14.7	15.4	15.4	15.8	15.8	15.8	15.8	15.8	16.1	16.1	16.1	16.1	•
6E 200001 6E 181601 6E 161601 6E 146601 6E 120001	9.5 9.5 7.5	17.6 17.6 17.6 17.6 17.6	18.7 18.7 18.7 18.7	20.1 20.1 20.1 20.1 20.1	21.2 21.2 21.2 21.2 21.2	22.0 22.0 22.0 22.0 22.0	22.0 22.0 22.0 22.0 22.0	22.3 22.3 22.3 22.3 22.3	22.3 22.3 22.3 22.3 22.3	22.3 22.3 22.3 22.3 22.3	27.3 27.3 27.3 27.3 27.3	22.3 22.3 22.3 22.3 22.3	22.7 22.7 22.7 22.7 22.7	22.7 22.7 22.7 22.7 22.7	22.7 22.7 22.7 22.7 22.7 22.7	22.7 22.7 22.7 22.7 22.7	
6E 150001 6E 93301 6E 80001 6E 70301 6E 60001	14.3 14.3 14.3	31.9 31.9 31.9 31.9	34.4 34.8 34.8 34.8	40.3 40.7 40.7 40.7 40.7	42.1 42.5 42.5 42.5 42.5	4 3 • 6 4 4 • 0 4 4 • 0 4 4 • 0 4 4 • 0	44 • 3 44 • 3 44 • 3 44 • 3	44.3 44.7 44.7 44.7	44.7 45.1 45.1 45.1 45.1	45.4 45.4 45.4 45.4	45.4 45.4 45.4 45.4 45.4	45.4 45.4 45.4 45.4	45.8 45.8 45.8 45.8	45.4 45.8 45.8 45.8	45.4 45.8 45.8 45.8	45.8 45.8 45.8 45.8 45.8	
GE 57601 GE 45001 GE 47601 GE 35001	14.3 15.0	31.9 31.9 32.6 32.6	34 .8 34 .8 35 .5 35 .5	46.7 40.7 41.4 41.4	42.5 42.5 43.6 43.6	44.0 44.0 45.1 45.1	44.3 44.3 45.4 45.4	44.7 44.7 45.8 45.8	45.1 45.1 46.2 46.2	45.4 45.4 46.5 46.5	45.4 45.4 46.5 46.5	45.4 45.4 46.5 46.5	45.8 45.9 46.9	45.8 45.8 46.9 46.9	45.8 45.8 46.9	45.8 45.8 46.9 46.9	

GĒ 30001 15.0 33.0 35.7 41.0 44.0 45.4 45.8 46.2 46.5 46.9 46.9 46.9 47.3 47.3 47.3 47.3 40.1 25 CC | 15.8 34.0 37.7 46.2 47.6 48.0 48.4 48.7 49.1 49.1 49.5 49.5 49.5 49.5 2703| 16.5 1803| 16.8 52.7 56.4 66.7 78.8 37.7 41,4 50.5 54.2 52.0 52.4 56.0 53.1 56.8 67.1 79.1 53.5 57.1 53.5 57.1 53.5 53.8 53.8 53.8 57.5 GΕ 48.4 53.8 35.6 52.3 57.1 57.5 57.5 1503| 18.7 1700| 19.8 52.3 64.1 75.5 65.9 78.0 67.4 68.1 66.1 47.3 10001 20.9 54.6 89.0 89.0 75.5 81.3 85.7 86 . 4 86.8 903| 13.9 803| 23.9 54.7 63.7 76 . 2 76 . J 82.4 87.5 89.7 88.3 90.5 89.4 91.6 90.1 92.3 90.1 90.5 90.5 GE 86.8 89.0 87.9 90.1 80.4 91.6 91.4 95.6 90 · 8 GE 7001 20.9 Cubl 20.9 57.1 90.1 94.5 94.1 GE 5 7 . 5 66.3 80.6 87.9 92.3 93.4 96.3 97.1 5001 20.9 4001 20.9 3001 20.9 2001 20.9 57.5 95.2 97.1 97.4 97.8 GE 69.3 95.6 96.3 96.3 97.1 66.3 90.0 92.7 94.5 93.8 57.5 57.5 92.7 93.8 93.8 93.8 98.2 98.5 94.9 97.8 GE GE 96.3 96.3 90.3 97.1 97.1 97.8 66.3 86.6 96.0 96.0 96.0 88.3 97.1 97.1 97.8 98.2 80.6 88.3 97.8 GE 57.5 80.0 92.7 94.9 66.3 88.3 98.2 48.5 98.9 1001 20.9 57.5 8J . 6 97.1 98.2 99.3 100.0

94.9

96.0

96.3

97.1

97.1

98.2

98.5

99.3 100.0

TOTAL NUMBER OF OBSERVATIONS: 273

57.5

66.3

80.6

68.3

92.7

93.8

71 27.9

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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR

PERIOD OF FECORD: 77-86 MONTH: DEC FOURS(LST): 1200-1400 VISIBILITY IN STATUTE MILES GE GE GE GE CEILING GE 4 GE Gr GE GE C IN | FEET | Ĩ.c 3 2 1/2 2 1 1/2 1 1/4 ŧ 5 3/4 5/8 1/2 5/16 1/4 NO CEIL | 5.0 13.3 12.3 12.3 13.6 12 - 3 13.6 13.€ 13.6 13.6 13.6 13.6 13.6 13.6 18.3 GE 200001 8.3 16.3 16.6 18.3 18.6 19.6 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 6E 18000) 6E 160001 6E 140001 8.3 16.3 16.6 18.3 18.3 16.6 19.6 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 26.3 16.3 16.6 18.3 18.3 18.6 19.6 20.3 20.3 20.3 20.3 20.3 20.3 20.3 16.3 18.5 19.6 16.6 18.3 18.6 20.3 20.3 20.3 20.3 22.3 20.3 20.3 19.6 GE 120001 16.3 16.6 18.3 18.6 20.3 20.3 20.3 JE 100 CO1 16.9 75.5 37.5 42.5 43.9 44.5 46.5 48.2 48.5 48.5 40.5 48.5 49.2 49.2 49.2 90001 16.9 8°ES1 16.9 7°C31 16.9 35.5 75.5 37.5 37.5 38.2 42.5 42.5 43.9 43.9 44.5 46.5 46.5 48.2 48.2 48.5 48.5 48.5 48.5 48.5 49.5 49.2 49.2 49.2 49.2 GE úΕ 36.2 43.2 44.5 45.2 45.2 47.2 48.8 49.2 49.2 49.2 49.2 49.8 49.8 49.8 49.8 49.2 47.2 49.8 48.8 49.2 49.8 38.2 43.2 44.5 50401 16.9 36.2 48.8 49.2 49.8 49.8 49.8 45001 16.9 40001 17.3 36.4 38.2 38.5 43.2 47.2 47.8 49.2 49.2 49.8 49.8 GΕ 44.5 45.2 48.8 49.2 49.2 49.8 49.8 45.2 50.5 45.6 49.5 49.6 50.5 49.8 36.9 G.E 35001 17.6 39.2 44.5 45.8 46.5 48.5 50.5 50.5 50.5 50.5 3C GC | 17.6 36.9 39.2 GE 44.9 46.2 46.8 48.8 50.5 50.8 50.8 57.4 50.8 51.5 51.5 51.5 51.5 ۵£ 25601 18.9 43.9 38.5 47.2 48.8 49.5 51.5 53.2 53.5 53.5 53.5 53.5 54.2 54.2 54.2 54.2 2000| 19.6 1800| 20.6 1500| 22.6 4C.2 42.9 52.8 51.9 57.6 57.8 58.5 58.5 53.5 55.8 59.1 57.5 57.B 58.5 5J • 5 56.5 61.8 (,E 56.8 60.8 61.1 61.1 61.1 61.1 61.5 61.8 61.8 60 • 1 63.5 64.8 67.1 6£ 69.4 69.4 70.1 73.1 68.8 4.70 69.4 76.1 ĿΕ 10001 24.6 54.5 76.1 10001 24.6 9001 24.6 (.F 55.5 61.1 72.8 78.1 8 C . 7 63.4 85.4 86.7 A7.7 84.0 88.0 89.0 89.4 89.4 89.4 GE 56.1 85.7 87.4 88.7 74.4 75.1 83.1 84.7 88.4 90.6 91.7 93.0 91.0 92.0 94.0 92.4 94.4 62.1 80.1 89.7 90.7 92.4 92.4 PURT 24.6 7021 24.6 56.5 62.5 81.7 91.4 92.7 94.4 94.4 υĹ 75 . 4 82.7 86.0 91.4 94.7 94.7 95.7 96.3 96.3 96.3 GE 1003 62.5 97.3 97.3 9881 14.6 4001 24.6 75.4 75.7 83.1 83.4 83.4 97.3 97.3 89.0 91.7 93.4 95.3 97.3 86.4 96.7 56.5 56.5 62.5 62.5 87.4 87.4 90.4 94.7 97.0 98.3 98.3 98.7 98.7 GE. 93.C 93.C 96.7 97.0 98.7 98.7 3001 24.6 75 . 7 GΕ 97.0 98.7 98.7 96.1 1001 24.6 62.5 93.0 98.7 99.7 C.F 56.5 75 . 7 83.4 94.7 96.7 56.5 75 . 7 93. C 97.0 99.7 83.4 87.4 93.4 96 . . υE 31 24.6 56.5 62.5 75 . 7 83.4 A 7.4 97.0 97.0 98.7 99.7 99.7 100.0 90.4 93. 0 94.7 96.7

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 225502 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: 77-86 MONTH: DEC HOURS(LST): 1500-1700 VISIPILITY IN STATUTE MILES CEILING GE 1 GE GE 3 2 1/2 IN 1 GE FEET 1 10 CE 6 GE 5 GE 4 GE GE GE 2 1 1/2 1 1/4 GE 5/8 GE GΕ ee o 3/4 1/4 1/2 5/16 11.7 NO CEIL | 7.0 12.1 13.1 13.1 13.4 14.4 14.4 14.4 15.1 GE 200001 10.7 20.8 21.5 22.5 22.5 22.5 23.2 23.5 23.5 23.5 6E 180001 10.7 6E 160001 10.7 6E 140001 10.7 22.5 22.5 22.5 22.5 22.5 27.5 22.5 23.2 23.5 17.4 18.1 19.1 19.8 2€.8 21.5 23.5 23.5 19.8 21.5 19+1 17.4 15.1 20.8 23.5 23.5 22.5 19.1 20.8 21.5 22.5 22.5 22.5 22.5 23.2 23.5 23.5 23.5 GE 120001 10.7 17.4 18.1 19.1 19.8 26.8 21.5 22.5 22.5 22.5 22.5 23.2 23.5 23.5 23.5 GE IDDODL 14.1 49.C 42.3 45.0 47.3 48.7 49.0 40.7 50.3 50.3 34.6 36.2 46.3 40.1 50.0 50.3 49.3 90001 16.1 45.0 47.3 49.0 49.0 49.3 GЕ 34.0 36 ... 42.3 46.3 48.7 50.0 50.3 50.3 50.3 80001 16.1 70401 16.1 34.6 36.2 45.0 49.0 49.0 49.0 49.0 5g.3 6.E 42.3 46.3 47.3 48.7 49.3 53.0 54.3 49.3 50.3 üΕ 42.3 46.3 47.3 48.7 50.0 56.3 49.3 49.3 5 ე . 3 5000| 16.1 4500| 16.4 4700| 16.8 GΕ 36.2 42.3 45.0 47.3 48.7 49.0 49.0 49.3 49.3 50.0 50.3 50.3 54.3 LE 34.9 35.2 36.6 36.9 42.6 43.0 45.3 46.6 47.0 47.7 49.G 49.3 49.3 49.3 50.3 50.7 51.0 50.7 51.0 50.7 51.0 υE 45.6 48.0 49.7 49.7 51.7 50.0 50.7 35001 16.8 30001 17.1 50.0 51.7 ьŧ 35.9 37.6 43.6 46.3 47.7 48 .7 50.3 50.3 50.7 50.7 51.3 51.7 51.7 51.7 45.0 50.3 52.0 52.3 52.3 25661 17.8 47.3 50.7 52.0 53.0 54.7 56.0 c6.4 56.4 3 E. 9 56.4 2000 18.1 18(0) 18.5 42.9 43.0 45.3 55.4 58.1 58.4 61.1 57.1 61.7 59.1 61.7 59.7 60.1 62.8 6.F 50 • 3 52 • 7 54.0 55.4 58.7 58.7 60.1 62.8 GΕ 59.4 61.4 61.4 15 CC | 18.8 62.8 67.8 69.1 69.1 69.1 ĞE 55.4 77.2 12001 20.1 51.7 67.4 71.8 79.2 83.2 81.5 81.5 82.2 82.9 82.9 82.9 10001 21.5 89.6 82.9 89.9 91.3 6 E 59.7 72.6 78.9 82.6 84 .6 86.9 88. 3 90.6 91.3 91.3 9.01 21.5 8031 21.5 7031 21.5 56.7 91.3 92.6 91.6 93.3 93.6 94.3 94.3 61.7 89.6 90.3 94.3 74.8 74.8 81.2 85.2 85.9 87.2 87.9 95.0 1.5 56.7 61.7 4.50 94.3 95.0 96.0 61.7 74.8 81.9 85.9 87.9 91.0 94.6 04.6 95.3 96.0 96.0 υ£ 56.7 90.3 92.3 GΕ 5 Cul 21.5 57.4 62.4 91.9 94.0 96.6 96.6 97.3 98.0 98.0 98.0 83.2 76 • O 4001 21.5 3001 21.5 57.4 57.7 67.8 75.8 76.2 83.6 83.9 87.9 98.3 89.9 90.3 92.6 93.0 94.6 95.0 96.6 97.0 97.3 97.7 77.3 97.7 98.3 98.3 98.7 ſ.F 98.7 98.7 99.g 99.0 G٤ (.£ 2501 21.5 · 7.7 62.8 76.5 84.2 88.6 90.6 93.3 95. 1 97.3 99.0 98.0 98.7 99.1 99.3 99.3 97.3 99.7 98.0 98.7 79.3 99.3 SE 1001 -1-5 57.7 62.8 76 . 5 84.2 98.6 911.6 93.3 95.3 99.7 GΕ 31 21.5 57.7 97.3 98.0 98.0 99.3 99.3 100.0 62.8 95.3 98.7 76.5 93.3 84.2 86.6 90.6

# PERCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	225500	STATI	ON NAME:	ARKH	IANGELSK	USSR					OF + EC		-86 (LST): :	1960-20	CO
CE IL ING		• • • • • • •		• • • • • • • •	• • • • •	• • • • • • • •			IN STATE				• • • • • • •	• • • • • • •	• • • • • • •	•••••
IN	I CE	CE	GF	GE	6 <b>E</b>	GE	GE	GE CE		GE GE	ι.Ε Γ.2	GE	GE	GE	GE	GE
		LE 6	5	4		2 1/2			GE 1 1/4	1	3/4	5/8	1/2	5/16	1/4	0.
	1 12						-							_	-	u
• • • • • • • •	• • • • • • •				• • • • • •		• • • • • • •	•••••		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •		
NO CEIL	1 20.0	19.7	20.0	20.1	29.7	21.0	21.7	2 2 • G	22.0	22.0	22.0	22.0	22.0	22.0	22.3	22.3
GE 20000	10.7	21.3	22.0	22.7	23.3	24.6	25 .C	25.3	25. 1	25.3	25.3	25.3	25.3	25.3	25.7	25.7
GE 180G0		21.3	22.0	22.7	23.0	24 .C	25.0	25.3	25.3	25.3	25.3	25. 2	25 • 3	25.3	25.7	25.7
GE 16740	17.7	21.3	22.0	22 • 7	23.0	24.0	25.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.7	25 • 7
GE 1400J		21.3	22.0	22.7	23.0	24.0	25.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.7	25.7
GE 12000		21.3	22.0	22.7	23.0	24.0	25.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.7	25.7
0			~		• • • •		4.00	23-0								
68 10000	1 16.0	16.0	38.0	39.3	47.0	42.3	43.3	44.3	44.3	44.3	44.7	44.5	44.3	44.3	44.7	44.7
	16.0	36.D	38.0	39 • 3	40.0	42.3	43.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7
	16.0	36.0	39.6	39 • 3	40.0	42.3	43.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7
	1 15.0	36.0	38.0	39 • 3	40.0	42.3	43.3	44.3	44.5	44.3	44.3	44.3	44.3	44.3	44.7	44.7
	16.0	36.0	39.0	39 • 3	40.0	42.3	43.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7
0. 0.00															· · ·	
GE 5000	1 16.0	36.C	39.0	39 . 3	40.0	42.3	43.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7
	1 16.7	36.0	39.0	39.3	43.0	42.3	43.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.7	44.7
	16.3	37.3	39.3	40.7	41.3	43.7	44.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	46.C	46.0
	16.3	37.7	39.7	41.0	41.7	44.0	45.0	46.C	46.C	46.C	46.D	46 . C	46.0	46.0	46.3	46.3
	17.3	46.3	42.3	43.7	44.3	46.7	47.7	48.7	48.7	48.7	49.7	48.7	48 • 7	48.7	49.0	49.D
02 3003									,,,,			.0.,				
GE 2º CC	18.0	41.7	43.7	45.0	45.7	48.0	49.0	50.0	50.C	50.0	50.0	50.0	50.0	50.0	50.3	50.3
	18.7	45.3	48.0	50.3	51.3	53.7	54.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0
	19.0	47.0	50.5	53.3	54.7	57.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7
	21.0	53.0	57.3	61.7	64.3	67.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0
	23.3	55.6	66.5	72.7	77.0	79.7	82.0	83.E	83.3	83.3	87.3	83.3	83.3	83.3	63.7	83.7
	, 2303	, , , ,	• • • • •						• • • •		• ••	5 4 5	- 3 - 3	,		
6E 1500	23.7	6 2.6	60.7	78.3	83.0	87.0	89.7	91.C	91.3	91.3	91.3	91.3	91.7	91.7	92.0	92.0
6E 963	23.7	62.7	70.7	79.7	84.3	88.3	91.0	92.3	92.7	92.7	92.7	92.7	93.0	93.0	93.3	93.3
GE P CO	1 23.7	63.0	71.3	81.3	86.3	90.3	93.0	94.3	94.7	94 . 7	94.7	94.7	95.0	95.0	95.3	95.3
UE 700	23.7	61.7	72.0	82.3	87.7	91.7	94.3	95.7	96 • C	96.0	96.0	96.0	96 • 3	96.3	96.7	96.7
	1 23.7	64.C	72.3	82.7	88.0	92.0	94.7	96.0	96.3	96.7	96.7	96.7	97.0	97.3	97.7	97.7
				J		, , , ,		,	, , , ,						,	
GE 500	1 23.7	54.0	72.3	83.0	eg.3	92.3	95.0	96.3	96.7	97.3	97.3	97.3	97.7	98.0	98.3	98.3
	23.7	64.C	72.3	83.0	88.3	92.7	95.3	96.7	97.C	57.7	97.7	97.7	98.0	98.3	98.7	98.7
	23.7	64.6	72.3	83.0	88.3	92.7	95.3	96.7	97.0	97.7	97.7	97.7	98.0	98.3	98.7	96.7
	1 23.7	64.5	72.3	63.0	88.3	92.7	95.3	96.7	97.0	97.7	97.7	97.7	98.3	99.0	99.3	99.3
	23.7	64.1	72.3	83.0	68.3	92.7	95.3	96.7	97.0	97.7	97.7	97.7	98.3	99.3	99.7	99.7
					33			,							. •	
GE ?	1 23.7	64.0	72.3	83.4	88.3	92.7	95.3	96.1	97.C	97.7	97.7	97.7	98.3	99.3	99.7	100.0
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### PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY GUSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

	MORTE:	DEC	POURS	LST): ;	2100-2300	ì
MILE		•••••	• • • • • • • •	• • • • • •	• • • • • • • •	•
E	3.5	Gį	GΕ	GE	G£	
1	3/4	5/8	1/2	5/16	1/4	
• • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	•

PEPIOD OF RECORD: 77-86

The color of the	CE	LING	• • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••				UTE MILE		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • •	•
NO CELL I 13.3 17.2 17.9 18.5 19.2 19.9 19.9 20.9 20.9 20.9 21.2 21.2 21.2 21.2 21.9 21.9 21.9 EE 200031 12.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 EE 180021 12.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 EE 180021 12.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.6 24.8 24.8 24.8 24.8 25.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.6 24.8 24.8 24.8 24.8 25.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 26.5 25.5 EE 180031 17.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 26.5 25.5 EE 20.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 24.8 25.5 25.5 EE 20.0 21.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 24.8 25.5 25.5 EE 20.0 21.5 23.2 23.2 24.2 24.2 24.5 24.5 24.8 24.8 24.8 24.8 24.8 25.5 25.5 EE 20.0 21.5 25.5 EE 20.0			GΕ	CE.	GE	GE	GE	GΕ						Gį	GΕ	GΕ	G£	G€	
NO CELL I 10.3 17.2 17.9 18.5 19.2 19.9 19.9 20.9 20.9 20.9 21.2 21.2 21.2 21.2 21.2 21.9 21.9 21	F E	ET I	10	ŧ	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
EC 2010 1 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-8 24-8 24-8 24-8 24-8 25-5 25-5 65 160-60 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-8 24-8 24-8 24-8 24-8 25-5 25-5 65 160-60 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-8 24-8 24-8 24-8 24-8 25-5 25-5 65 160-60 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-5 24-8 24-8 24-8 24-8 25-5 25-5 65 120-20 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-5 24-8 24-8 24-8 24-8 25-5 25-5 65 120-20 12-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-5 24-8 24-8 24-8 24-8 25-5 25-5 65 120-20 11-3 20-2 20-9 21-5 22-5 23-2 23-2 24-2 24-2 24-5 24-5 24-8 24-8 24-8 24-8 25-5 25-5 65 120-20 11-3 25-5 35-1 40-1 42-1 43-4 43-7 44-7 44-7 45-0 45-4 45-4 45-4 45-4 45-4 45-4 45-4	••		• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • •	•
Second   12.3   26.2   20.9   21.5   22.5   23.2   23.2   24.2   24.2   24.5   24.8   24.8   24.8   25.5   25.5   26.6   16.0   12.3   26.2   20.5   21.5   22.5   23.2   23.2   24.2   24.2   24.5   24.8   24.8   24.8   24.8   25.5   25.5   26.1   20.0   12.3   26.2   20.5   21.5   22.5   23.2   23.2   24.2   24.2   24.5   24.8   24.8   24.8   25.5   25.5   25.5   26.1   26.0   12.3   26.2   20.5   21.5   23.2   23.2   24.2   24.2   24.5   24.8   24.8   24.8   25.5   25.5   25.5   26.1   26.0	NO	CEIL I	10.3	17.2	17.9	18.5	19.2	19.9	19.9	20.9	20.9	20.9	21.2	21.2	21.2	21.2	21.9	21.9	
65         16 C 1 20.3         26.2         20.9         21.5         22.5         23.2         23.2         24.2         24.5         24.5         24.8         24.8         25.5         25.5         25.5         65.6         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0         66.0	БE	zonosi	12.3	26.2	20.9	21.5	22.5	23.2	23.2	24.2	24 • 2	24.5	24 . A	24.8	24.9	24.8	25.5	25.5	
UE 197001 12.3 20.2 20.9 21.5 22.5 23.2 23.2 24.2 24.2 24.5 24.8 24.8 24.8 24.8 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25	ΘE	180001	12.3	26.2	20.9	21.5	22.5	23.2	23.2	24.2	24.2	24.5	24.9	24.8	24.8	24.8	25.5	25.5	
UE 12000 12.3	Gξ	160001	12.3	20.2	20.9	21.5	22.5	23.2	23.2		24.2	24.5	24.8	24.8	24.8	24.8	25.5	25.5	
GF 100 COl 16.2 32.5 35.1 40.1 42.1 43.4 43.7 44.7 44.7 45.0 45.4 45.4 45.4 45.4 46.0 46.0 E 80.0 16.2 32.5 35.1 40.1 42.1 43.4 43.7 44.7 44.7 45.0 45.4 45.4 45.4 45.4 46.0 46.0 E 80.0 16.2 32.5 35.4 40.4 42.1 43.4 43.7 44.7 44.7 45.0 45.4 45.4 45.4 45.4 46.0 46.0 E 80.0 16.2 32.5 35.4 40.4 42.1 43.4 43.7 44.7 44.7 45.0 45.4 45.4 45.4 45.4 46.0 46.0 E 70.0 16.2 32.5 35.4 40.4 42.4 43.7 44.7 44.0 45.6 45.6 45.4 45.7 45.7 45.7 45.7 45.7 45.7 45.7																			
60	ĻΕ	150001	12.3	50.5	20.9	21.5	22.5	23.2	23.2	24.2	24.2	24.5	24 . A	24.8	24.8	24.8	25.5	25.5	
6E         86 001         16-2         32-5         36-1         40-1         42-1         43-4         43-7         44-7         45-0         45-4         45-7         45-7         45-7         45-7         46-0 <th< td=""><td>GΕ</td><td>100001</td><td>16.7</td><td>32.5</td><td>35.1</td><td>40.1</td><td>42.1</td><td>43.4</td><td>43.7</td><td>44.7</td><td>44.7</td><td>45.0</td><td>45.4</td><td>45.4</td><td>45.4</td><td>45.4</td><td>46.0</td><td>46.0</td><td></td></th<>	GΕ	100001	16.7	32.5	35.1	40.1	42.1	43.4	43.7	44.7	44.7	45.0	45.4	45.4	45.4	45.4	46.0	46.0	
GE SCOI 16.2 32.5 37.4 40.4 42.4 43.7 44.0 45.6 45.6 45.6 45.7 45.7 45.7 45.7 46.4 46.4 46.4 46.4 46.6 66.6 67.0 16.2 32.5 35.4 40.4 42.4 43.7 44.0 45.4 45.4 45.4 45.7 45.7 45.7 45.7 46.4 46.4 46.4 46.4 46.6 47.0 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	GE	90 00 1	16.2	72.5	35.1	40.1	42.1	43.4	43.7	44.7	44.7	45.0	45.4	45.4	45.4	45.4	46.0	46.0	
60 6 6 6 6 6 6 6 6 6 6 7 9 77 8 85 1 87 4 90 4 92 4 93 7 94 90 95 7 95 7 92 7 92 7 92 7 92 7 93 3 93 7 96 8 96 96 96 96 96 96 96 96 96 96 96 96 96	ĿΕ	8: 001	15.2	32.5	35 +1	40.1	42.1	43.4	43.7	44.7	44.7	45.0	45.4	45.4	45.4	45.4	46.0	46.8	
6E 50 G0   15.2 32.5 35.4 40.4 42.4 43.7 44.0 45.4 45.7 45.0 45.4 45.7 45.0 46.0 46.0 46.7 46.7 66.4 45.01 16.2 32.6 35.6 40.7 42.7 44.0 44.4 45.4 45.4 45.7 46.0 46.0 46.0 46.7 46.7 66.4 40.01 16.6 21.8 36.8 41.7 43.7 45.0 45.4 45.4 47.0 47.0 47.0 47.4 47.7 47.7 47.7 47	GE	70 40 1	16.2	32.5	35.4	40.4	42.4	43.7	44.0	45.C	45.C	45.4	45.7	45.7	45.7	45.7	46.4	46.4	
GE         4501         16.2         32.6         35.8         4U.7         42.7         44.0         44.4         45.4         45.7         46.0         46.0         46.0         46.0         46.7         46.7         46.7         47.0         47.0         47.4         47.7         47.0         47.4         47.7         47.0         4	٥E	60.001	16.2	32.5	35.4	40.4	42.4	43.7	44.7	45.C	45•€	45.4	45.7	45.7	45.7	45.7	46.4	46.4	
UE         4501   16.2         32.8         35.8         4U.7         42.7         44.0         44.4         45.4         45.4         45.7         46.0         48.0         48.0           6E         37.01         16.6         33.8         37.1         42.1         44.0         45.4         45.7         47.0         47.0         47.7         47.0         48.3         48.3         48.7         49.0         49.0         49.3         50.7         50.7         50.7         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3         51.3 <t< td=""><td>GE</td><td>se do i</td><td>15.2</td><td>32.5</td><td>35.4</td><td>40.4</td><td>42.4</td><td>43.7</td><td>44.0</td><td>45.€</td><td>45.€</td><td>45.4</td><td>45.7</td><td>45.7</td><td>45.7</td><td>45.7</td><td>46.4</td><td>46.4</td><td></td></t<>	GE	se do i	15.2	32.5	35.4	40.4	42.4	43.7	44.0	45.€	45.€	45.4	45.7	45.7	45.7	45.7	46.4	46.4	
GE 3 CO   16.6   32.6   37.1   42.1   44.0   45.4   45.7   47.0   47.0   47.7   47.8   47.7	ĢΕ			32.6	35.6	46.7	42.7	44.0	44.4	45.4	45.4	45.7	45.0	46.0	46.0	46.0	46.7	46.7	
GE 3000 16.9 35.1 38.4 43.4 45.4 46.7 47.0 48.3 48.3 48.7 40.0 49.0 49.0 49.0 49.7 49.7 49.7  GE 2001 16.9 37.1 40.7 45.7 47.7 49.0 49.3 50.7 50.7 51.0 51.3 51.3 51.3 51.3 52.0 52.0  GE 2001 19.9 43.7 47.4 52.6 54.6 56.3 56.6 57.9 57.9 58.3 59.6 58.6 58.6 58.6 58.6 59.3 59.3  GL 1600 27.5 40.7 50.7 56.0 58.3 59.9 60.3 61.6 61.6 61.9 62.3 62.3 62.3 62.3 62.9 62.9  GE 17 Jul 21.9 50.5 55.6 61.6 65.2 66.9 67.2 68.5 68.5 68.5 68.5 69.2 69.2 69.2 69.5 70.2 70.2  GE 17 GU 23.8 57.9 64.6 72.8 79.5 81.1 81.8 83.4 83.4 84.4 84.8 84.8 85.1 85.8 85.8   GE 1001 24.5 60.6 67.9 77.8 85.1 87.7 88.7 90.7 90.7 92.4 97.7 92.7 92.7 93.0 93.7 93.7  GE 901 24.5 60.9 68.2 78.1 85.6 86.7 89.7 91.7 91.7 91.7 91.7 91.7 91.7 94.7 94.7 94.7 94.7 95.0 95.0 95.0  GE 7001 24.8 62.3 60.9 80.5 88.7 91.7 92.7 95.0 95.0 96.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94	GE	40001	16.6	3 2 . 8	36 .8	41.7	43.7	45.0	45.4	46.7	46.7	47.0	47.4	47.4	47.4	47.4	48.D	48.0	
GE 2°CC  16.9 37.1 40.7 45.7 47.7 49.6 49.3 5C.7 5C.7 51.0 51.3 51.3 51.3 51.3 52.0 52.0 62.2 62.2 17.9 47.4 52.6 54.6 56.3 56.6 57.9 57.9 58.3 58.6 58.6 58.6 58.6 58.6 58.6 58.6 58.6	٥E	35 331	16.6	33.6	37.1	42.1	44.0	45.4	45.7	47.C	47.C	47.4	47.7	47.7	47.7	47.7	48.3	46.3	
GE 27021 19.9 42.7 47.4 52.6 54.6 56.3 56.6 57.9 57.9 58.3 58.6 58.6 58.6 58.6 59.3 59.3 59.3 40.1 16.01 27.5 46.1 50.7 56.0 58.3 59.9 60.3 61.6 61.6 61.6 61.9 62.7 62.3 62.3 62.3 62.3 62.9 62.9 62.9 62.9 62.1 12.01 21.9 50.5 55.6 61.6 65.2 66.9 67.2 68.9 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69	ſξ	3 n a c (	16.9	35.1	38.4	43.4	45.4	46.7	47.0	48.3	48.3	48,7	40.0	49.0	49 . C	49.0	49.7	49.7	
GL 18CO1 27.5 46.7 50.7 56.0 58.3 59.9 60.3 61.6 61.6 61.9 62.3 62.3 62.3 62.3 62.9 62.9 GE 17.30 21.9 50.5 55.6 61.6 65.2 66.9 67.2 68.5 68.5 68.5 68.9 67.2 69.2 69.2 69.2 69.2 70.2 70.2 70.2 GE 17.30 21.9 50.5 61.6 67.8 79.5 81.1 81.8 83.4 83.4 84.4 84.8 84.8 85.1 85.8 85.8 85.8 85.8 85.8 85.8 85	GE.	2* 001	16.9	37.1	40.7	45.7	47.7	49.6	49.3	50.7	50.7	51.0	51.3	51.3	51.3	51.3	52.0	52.0	
GE 1600 27.5 46.7 50.7 56.0 58.3 59.9 60.3 61.6 61.6 61.9 62.3 62.3 62.3 62.3 62.9 62.9 62.9 62.0 17.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12	GE	27001	19.9	42.7	47.4	52.6	54.6	56.3	56.6	57.9	57.9	50.3	5 P . 6	58.6	58.6	58.6	59.3	59.3	
GE       12GC  23.8       57.9       64.6       72.8       79.5       91.1       81.8       83.4       83.4       84.8       84.8       84.8       84.8       85.1       85.8       85.8         GE       17CG  24.5       6C.6       67.9       77.8       85.1       87.7       88.7       90.7       90.7       92.4       97.7       92.7       93.0       93.7       93.7       93.7       95.0       95.0       95.0       95.0       95.0       95.0       95.0       95.7       95.7       95.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       95.0       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       95.7       97.4       94.0       94.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       95.7       95.7       95.7       95.7       95.7       95.7       97.4       94.0       94.7       94.7       94.7       94.7       94.7       94.7       94.7       94.7       95.7       95.7       95.7       97.4       97.0       94.7 <td>٥L</td> <td>18 001</td> <td>27.5</td> <td>46.3</td> <td>50.7</td> <td></td> <td>58.3</td> <td>59.9</td> <td>60.3</td> <td>61.6</td> <td>61.6</td> <td>61.9</td> <td>62.3</td> <td>62.3</td> <td>62.3</td> <td>62.3</td> <td>62.9</td> <td>62.9</td> <td></td>	٥L	18 001	27.5	46.3	50.7		58.3	59.9	60.3	61.6	61.6	61.9	62.3	62.3	62.3	62.3	62.9	62.9	
GE 17CG1 24.5 6C.6 67.9 77.8 85.1 87.7 88.7 90.7 90.7 92.4 97.7 92.7 92.7 93.0 93.7 93.7 95.0 05.0 05.0 05.0 05.0 05.0 05.0 05.0	GE	15 301	21.9	50.3	55.6	61.6	65.2	66.9	67.2	68.5	68.5	68.5	67.2	69.2	69.2	69.5	70.2	70.2	
GE 9091 24.5 60.9 68.2 78.1 85.6 86.7 89.7 91.7 91.7 92.4 94.0 94.0 94.0 94.0 94.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95	GE	12001	23.8	57.9	64.6	72.8	79.5	91.1	81.8	83.4	83.4	84.4	84.9	44.8	84.8	85.1	85.8	85+8	
GE 9071 24.5 60.9 68.2 78.1 85.6 86.7 89.7 91.7 91.7 91.7 92.4 94.0 94.0 94.0 94.0 94.4 95.0 95.0 95.0 96.0 97.7 97.4 97.4 94.7 94.7 94.7 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	GE	17001	24.5	50.6	67.9	77.8	85.1	A 7 • 7	88.7	90.7	90.7	92.4	92.7	92.7	92.7	93.3	93.7	93.7	
OF         702  24.8         62.3         69.9         80.5         86.7         91.7         92.7         95.0         95.0         96.7         97.4         97.4         97.4         97.7         98.3         98.3           OF         600 74.8         62.6         70.2         81.1         89.4         92.4         93.4         95.7         95.7         97.4         98.0         98.0         98.3         99.0         99.0           GE         5001 24.8         62.9         70.5         81.5         89.7         92.7         93.7         96.0         96.0         97.7         98.3         98.3         98.7         99.3         99.3           GE         4001 24.8         62.9         70.5         81.5         89.7         92.7         93.7         96.0         96.0         97.7         98.3         98.3         98.7         99.3         99.3           GE         4001 24.8         62.9         77.9         81.5         89.7         92.7         93.7         96.0         96.0         97.7         98.3         98.3         98.7         99.3         99.3           GE         2001 25.2         62.2         77.9         81.8         90.1         <	GE	9001	24.5	66.9	68.2	78 . 1	85.8	88.7	89.7	91.7	91.7	93.4	94.0	94.0	94.0	04.4	95.0	95.0	
GE 5001 24-8 62-9 70.2 81-1 89.4 92.4 93.4 95.7 95.7 97.4 98.0 98.0 98.0 98.3 99.0 99.0 99.0 GE 4001 24-8 62-9 70.5 81.5 89.7 92.7 93.7 96.0 96.0 97.7 98.3 98.3 98.3 98.3 98.7 99.3 99.3 GE 4001 24-8 62-9 70.5 81.5 89.7 92.7 93.7 96.0 96.0 97.7 98.3 98.3 98.3 98.7 99.3 99.3 GE 4001 24-8 62-9 70.5 81.5 89.7 92.7 93.7 96.0 96.0 97.7 98.3 98.3 98.3 98.7 99.3 99.3 99.3 GE 2001 25-2 62-2 70.9 81.8 90.1 93.0 94.0 96.4 96.4 96.4 98.0 99.7 98.7 98.7 99.0 99.7 99.7 GE 2001 25-2 62-6 71.2 62-1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.0 99.0 100.0 GE 71 25-2 62-6 71.2 62-1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.0 99.0 100.0	ĿΕ	P C ~ 1	24.5	61.6	68.9						92.4	94.0	94.7	94.7	94.7	95.0	95.7	95.7	
GE 5CC1 24.8 62.9 70.5 81.5 89.7 92.7 93.7 96.C 96.C 97.7 99.3 98.3 98.3 98.7 99.3 99.3 6E 4001 24.8 62.9 70.5 81.5 89.7 92.7 93.7 96.C 96.C 97.7 99.3 98.3 98.3 98.7 99.3 99.3 6C 3CC1 25.2 62.2 70.9 81.8 90.1 93.0 94.0 96.4 96.4 98.C 97.7 98.7 98.7 98.7 99.0 99.7 99.7 6E 2021 25.2 63.2 70.9 81.8 90.1 93.0 94.0 96.4 96.4 96.4 98.C 97.7 98.7 98.7 99.0 99.7 99.7 6E 1001 25.2 53.6 71.2 62.1 90.4 95.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.0 99.0 100.0	GE	7001	24. R	62.3	69.9	eu.5	88.7	91.7	92.7	95.C	95 • C	96.7	97.4	97.4	97.4	97.7	98.3	98.3	
GE 4001 24.8 62.9 70.5 81.5 89.7 92.7 93.7 96.0 96.0 97.7 98.3 98.3 98.7 99.3 99.3 99.3 66 3001 25.2 63.2 77.9 81.8 90.1 93.0 94.0 96.4 96.4 98.0 99.7 98.7 98.7 99.0 99.7 99.7 99.7 GE 2001 25.2 63.6 71.2 62.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0 GE 71 25.2 63.6 71.2 82.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0	ь£	£ 601	74.A	52.t	70.2	81.1	89.4	92.4	93.4	95.7	95.1	97.4	99.7	98.5	98.0	08.3	99.0	99.0	
GE 4001 24.8 62.9 70.5 81.5 89.7 92.7 93.7 96.0 96.0 97.7 98.3 98.3 98.7 99.3 99.3 99.3 66 3001 25.2 63.2 77.9 81.8 90.1 93.0 94.0 96.4 96.4 98.0 97.7 98.7 98.7 99.0 99.7 99.7 99.7 66 2001 25.2 63.6 71.2 62.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0 66 71 25.2 63.6 71.2 82.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0	68	5501	24.8	62.9	79.5	91.5	89.7	92.7	93.7	96.C	96 • C	97.7	99.3	98.3	98.5	98.7	99.3	99.3	
GE 3GE 25.2 63.2 77.9 81.6 93.1 93.0 94.0 96.4 96.4 98.0 99.7 98.7 98.7 99.0 99.7 99.7 GE 2G2 25.2 63.2 70.9 81.8 99.1 93.0 94.0 96.4 96.4 98.0 98.7 98.7 98.7 99.0 99.7 99.7 GE 1G0 25.2 63.6 71.2 62.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.0 100.0 GE 71 25.2 63.6 71.2 82.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.0 99.3 100.0 100.0	GΕ	4 00 1	24.8	62.9	70.5	81.5		92.7	93.7	96.C	96 • C	97.7	99.3	98.3	98.3	98.7	99.3	99.3	
GE 1001 25.2 63.6 71.2 62.1 90.4 95.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0 GE 01 25.2 63.6 71.2 82.1 90.4 95.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0	GE.	3 00 1	25.2	6 ? . 2	77.9						96.4	98.€	90.7	98.7	98.7	99.0	99.7	99.7	
GE 31 25.2 63.6 71.2 82.1 90.4 93.4 94.4 96.7 96.7 98.3 99.0 99.0 99.0 99.3 100.0 100.0	űE	1001	25.2	62.2	70.9	81.8	90.1	93.0	94.3	96.4	96.4		94.7	98.7	98.7	99.0	99.7	99.7	
	<b>6€</b>	1001	25.2	63.6	71.2	62 • I	90.4	95.4	94.4	96.7	96.7	● 98.3	90.7	99.0	99.0	99.3	100.0	100.0	
	GΕ	21	25.2	63.6	71.2	82.1	90.4	93.4	94.4	96.7	96.1	98.3	99.0	99.0	99.3	99.3	100.0	100.0	
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#### PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PEP100 OF \*ECORD: 77-86 STATION NUMBER: 2255CG STATION NAME: ARKHANGELSK USSR HOURS(LST): MONTH: DEC . . . . . . . . . . . . VISIBILITY IN STATUTE MILES CEILING GE GE IN | GE FEET | 10 GE S GE GF GE 2 1 1/2 1 1/4 GE GE GΕ GE G.F. 3 2 1/2 1/2 5/16 1/4 1 3/4 5/8 - 6 NO CEIL | 9.1 15.5 16.1 17.1 17.3 17.7 18.2 18.3 18.3 18.3 18.3 18.5 18.5 18.7 18.7 6E 200001 11.1 15.1 19.9 20.8 21.4 22.0 22.5 23.3 24.0 GE 18000| 11.1 GE 16000| 11.1 GE 14000| 11.1 19.0 19.9 21.4 22.0 22.0 22.5 23.3 23.4 23.4 23.6 23.6 23.0 23.7 24.0 20.8 23.3 23.8 24.0 23.3 24.0 26.8 23.8 23.6 19.0 19.0 UE 127001 11.1 20.8 23.6 22.0 22.5 23.3 23.3 UE 100031 16.2 UE 90031 16.3 32.7 35.1 39.4 41.1 42.5 43.5 44.5 44.9 44.9 45.2 45.2 45.4 45.5 45.6 45.7 9000| 16.3 86.0| 16.3 7000| 16.3 43.6 44.8 45.2 45.2 12.7 39.5 41.2 42.5 44.6 45.0 45.4 45.7 45.7 35.2 45.5 32.7 32.6 45.7 45.7 45.9 υE 35.2 39.5 41.2 42.5 44.6 44.8 45.0 45.5 39.7 43.7 44.8 45.C 45.6 45.1 45.8 42.7 45.4 41.3 Ú E 67001 16. .2.8 35.4 41.3 42.7 43.7 45.€ 45.1 45.4 45.4 45.8 45.9 50 GOL 15.3 12.8 19.7 41.3 42.7 43.7 44.A 45 . C 45.1 45.4 45.4 45.8 45.9 (s F 35.4 45.6 45.7 45 LOT 16.4 45 COL 16.9 44.5 46.0 41.5 45.1 45.3 45.5 33.0 35.5 39.8 42.6 43.9 44.9 45.7 45.8 46.D ĿΕ 40.6 43.7 45.8 46.C 46.2 46.4 46.4 46.6 46.7 36.5 42.4 6F 35 031 17.2 34.3 36.9 41.2 42.9 44.3 45.3 46.5 46.4 46.6 46.8 47.0 47.0 47.3 47.5 47.5 GE. 37.2 40.1 44 . 8 46.0 49.1 50.1 50.4 50.5 57.8 50.8 51.2 51.3 25001 18.5 46.6 51.0 51.1 2001 19.6 18101 20.1 19021 21.6 12001 23.2 46.5 49.3 52.7 51.5 55.2 54.0 57.9 55.2 59.0 55.4 55.6 59.4 55.8 55.8 59.7 56.7 59.9 56.3 56.3 60.2 GE 43.9 52.9 56.1 59.7 GE 46.6 60.0 56.7 62.2 69.4 83.2 68.3 69.2 69.6 83.4 69.7 82.5 01.9 83.6 83.6 1,E 54.2 67.5 70.8 75.6 76.3 81.3 82.9 91.2 1060| 23.9 950| 24.0 57.1. 63.4 76 - 1 81.9 85.1 86.9 88.6 89.3 90.2 90.6 90.6 90.9 91.4 91.4 ĿΕ 57.6 77.4 90.5 91.3 92.2 92.6 92.6 93.0 64.7 P 3 . 5 86.9 88.7 9201 24.0 7001 24.1 58.2 58.7 78 • 1 79 • 4 88.5 90.4 92.3 93.2 GE 65.5 65.2 94.1 94.5 94.5 94.9 95.1 95.3 95.3 95.5 96.4 96.8 96.0 96.0 GE GE 66. 86.1 96.6 6001 24.1 59.0 66.4 80.1 87.1 90.6 92.5 95.6 96 . B 97.3 97.6 97.9 98.1 98.2 5001 24.1 47.6 98.7 59.1 80.2 67.3 90.9 92.8 94.9 96.0 97.2 97.6 98.0 98.4 98.6 59.1 4601 24.1 7001 24.2 2001 24.2 97.6 99.0 98.0 99.0 98.4 98.7 98.9 GE 66.5 80.3 87.4 91.2 93.1 95.3 96.3 66.6 80.4 97.7 94.2 98.2 98.6 98.9 99.1 99.2 95.4 96.5 99.2 98.3 91.4 95.5 98.8 98.9 99.3 99.5 GE 55.2 66.6 83.5 93.3 96.5 97.8 99.6 1601 24.2 1 24.2 GE 59.3 91.4 93.4 95.5 96.6 97.8 98.3 98.3 99.9 99.4 99.7 100.0 80.5

#### PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 2255CC STATION NAME: STRENGELSK USSR PERIOD OF RECORD: 77-87 MONTH: ALL HOLRSILSTI: G VISIBILITY IN STATUTE MILES CE IL ING 1N | GE GE GE GE GE GE GE GE GE FEET | 10 0 5 4 3 2 1/2 2 1 1/2 GE GE GE GE 2 1 1/2 1 1/4 1 G.E GE 1/2 3/4 5/8 5/16 1/4 j. \*\*\*.... 24.9 25.0 25.2 25.8 GE 200001 20.3 28.8 29.6 30.7 31.9 0.75 32.0 32.1 32.2 32.3 31.1 31.4 31.6 31.7 31.8 32.2 6E 180001 20.3 6E 160001 20.3 28.8 28.8 28.8 29.8 31.2 31.4 31,6 31.7 31.8 31.8 31.9 ?1.9 31.9 32.3 32.0 12.0 30.7 32.0 32.1 32.2 32.2 32.3 30 . 7 32.0 32.0 32.0 32.2 32.2 34.3 32.1 6E 140001 20.3 6E 127001 20.3 29.8 31.4 31.6 32.1 32.1 32.2 30 - 7 28.8 32.0 31.2 31.4 31.6 31.7 71.9 GE 105 JOH 33.0 47.5 57.9 53.1 45.6 49.9 51.5 51.9 52 • 2 52 • 2 52.4 52.5 52.7 52.7 52.8 53.0 53.0 52.7 52.7 52.8 52.7 52.7 52.8 90001 30.0 47.5 51.9 45.6 51.6 51.5 52.4 52+5 52+6 52+6 52.9 53.0 53.1 ⊍**E** G**E** 8000| 30.0 7000| 30.0 51.0 51.0 51.9 52.0 52.2 52.4 52.9 52.9 45.6 47.5 49.5 51.5 53.0 53.0 53.1 50.0 51.6 45.6 47.6 53.0 5 4 . 1 53.2 51.0 51.6 52.0 52.8 52.8 53.1 52.6 53.0 54.4 52.9 53.3 54.7 50001 33.2 GE 45.9 47.8 50.2 51.3 51.9 57.0 53.0 53.2 53.3 53.3 53.4 4500| 30.4 4100| 31.3 52.3 53.7 53.1 54.6 'nΕ 46.2 48.2 50.7 51.7 52.6 54.0 53.5 53.5 53.6 55.0 53.7 55.1 53.8 53.9 GΕ 49.6 53.1 55.3 35 001 50.6 52.5 54 • 2 56 • 1 55.2 55.5 57.4 55.8 57.7 56.0 57.9 GE 55.7 56.3 30001 33.2 GΕ 25001 36.3 55.3 57.6 60.3 61.5 62.1 62.5 62.8 67.3 63.4 63.6 63.6 63.8 63.C 63.2 63.5 2000| 38.4 18CC| 39.4 59.7 62.0 62.3 65 • 4 68 • 3 66.7 67.4 67.8 71.0 68.2 71.4 68.4 68.6 68.8 68.8 72.0 68.9 72.2 69.1 69.2 69.C 72.3 GF 1500| 41.0 69.7 74.3 7A.3 GΕ 72.3 76.5 82.2 86.1 86.8 87.5 88.2 AA.5 58.7 98.8 68.9 69.D 10001 43.7 79.1 89.6 92.9 93.2 93.7 υE 74.5 85.7 91.02 91.2 92.0 92.4 7 1 . 1 93.4 93.6 93.6 94.4 uE GE 9601 43.8 75.1 75.4 75.9 79.8 89.6 91.3 +3.7 94.2 94.5 95.0 95.1 86 . 5 92.3 93.2 94.7 94.9 80.3 80.9 H7•∠ 88•∪ 92.2 95.6 96.8 96.0 97.3 96.2 90.4 93.2 94.2 94.7 75.2 95.9 96.1 ĿΕ 96.7 97.1 91.3 94.2 95.3 95.7 96.4 GE 6001 44. 76.1 81.1 5001 44.0 76.2 97.9 GF 81.3 86.6 92.0 94.0 95.1 96.2 96.9 97.5 97.9 98.2 98.4 98.5 98.6 4601 44.0 3001 44.0 81.4 81.4 81.4 94.2 98.1 94.2 98.3 76.2 76.3 98•9 99•0 UΕ 88.7 92.2 95.3 96.4 91.1 97.7 99.5 98.7 98.8 94.2 94.2 92.3 95.4 GE 96.5 97.2 . 97.8 94.2 98.8 2601 44.0 GE 76.3 88.8 97.8 98.2 98.3 98.8 99.2 99.3 99.4 98.3 96.5 98.8 31 44.0 76.3 81.4 94.3 95.4 97.2 97.8 98.2 98.9 99.3 99.5 100.0 86.6 96.5

GLOBAL CLIMATOLOGY BRANCH USAFETAC

06-68 1

19-11 1

12-14 |

15-17 1

18-25 1

1-23 1

TOTALS 1

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### PERCENTAGE FREQUENCY OF UCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC PERIOD OF FECORD: STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR MAL : TTANH PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS ! TOTAL OBS 2 ME AN 1 3 6 10 00-02 1 7.7 305 13.8 58.4 1.6 1.3 15.7 5.2 2.6 . 7 4.0 1.0 7.7 332 15.6 12.9 59.6 0.1-05 1 . 3 3.0 1.7 3.0 7.7 299 06-08 | 14.4 . 3 6.7 2.3 1.3 1.0 1.3 12.7 . 9.9 219 €7-11 I 9.6 4.3 2.5 . 7 1.4 5.6 12.5 63.8 8.2 12-14 1 7.4 1.7 4.7 2.7 . 3 . 3 5, , 7 9.1 63.0 8.4 297 15-17 | 3.9 ..0 • 3 69.2 315 19-20 1 10.9 1.6 3)4 2.0 1.0 21-23 1 1.6 5.2 2.9 . 8 2397 TOTALS 1 11.2 1.4 4.9 1.4 3.0 12.9 61.6 8 . 0 STATION NUMBER: 2255UC STATION NAME: ARKHANGELSK USSR PERIOD OF PECOPO: MONTH: FEB PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER TOTAL HOURS 1 5 Q ILST1 1 6 10 HE AN 045 274 10-02 | 1.3 3.6 2.2 12.0 2.6 67-05 | 17.5 . 7 4.7 2.6 1.1 2.2 13.5 57.7 7.5 274

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56.6

53.3

59.0

8.1

8.2

7.8

7.2

7.8

274

252

282

277

212

2179

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY LOVEH FROM HOURLY CUSERVATIONS

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK LSSR PERIOU OF HECORD: MONTH: MAR PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS ! 5 9 13 MEAN 085 no-nz I 306 .3**.**9 1.3 2.0 1.6 03-05 L Z1.1 1.0 5.6 1.5 . 3 2.6 20.4 43.4 6.9 304 C6-08 I 2.0 19.8 303 7.9 3.0 7.6 09-11 | 7.2 6.1 5.4 i.5 5.0 10.5 278 1-1 17.2 303 12-14 | 7.3 2.3 4.3 6.3 . 7 3 • C 4.3 54.8 8.6 4.9 4.9 2.3 2.6 4.9 53.3 304 15-17 | 1.0 10.2 16.1 3 G 3 5.9 5.0 1.0 2.0 4.0 18.5 54.5 8.0 18-20 1 1.6 1.7 19.1 6.8 3 G4 21-23 1 3.3 1.3 2 . 3 42.8 20.1 1.0 6.9 3 . 5 50.7 7.6 2405 TOTALS | 12.5 1.6 6.3 3.8 . 8 2 • 2 18.3

STATION NUMBER:	225500	STA	TION NAME:	ARKI	-ANGELSK U	SSR				B OF HE	CORU:	79-87		
HOURS (LST)	-	с	1	2	PEFCENTAGE 3	FREQUE!	1CY OF 18		TOTAL SK			13	MEAN	TOTAL
: ^=F2	1 2	4.7		• • • • •	11,3	1.0	. 3	2 - 1	• • • • • • • •	4.8	15.8	37.3	6.1	297
E 4-05	1 1	A • 4	7.4		8 • 5	1.0	. 5	2.7		7 • 1	20.7	37.8	6.7	294
(6-C8	1	9.5	2.3		6.4	1.7	1.5	2.7		4.7	23.0	49.0	7.8	296
" 9 ÷ 1 1	1 1	7.3	: •2		5 • 5	4.4	. 7	2.2		5 • 2	22.1	47.2	7.7	271
17-14	1	9.4	1.5		£ .4	3.7	1.7	3.0		٠ . 1	21.1	44.6	7.7	298
15-17	1	5 • 1	4.1		A - 1	6.1	1.0	3.4	•	8.5	20.7	43.1	7.6	295
10-20	ı	5.5	8		8.9	4.5	1.0	4 - 1		5 • 1	18.2	47.9	7.6	297
. 1 - 2 3	1 :	2.2	4.1		11.9	5.1	. 7	2.0		3.4	20.3	40.3	6.9	295
TOTALS	1 1	2.0	2.9		h .4	3.4	• 8	2.3		6.9	20.2	43.4	7 • 3	2333

### PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 225501 STATION NAME: ARREANGELSK LSSH PERIOD OF RECORD: 79-97 MONTH: MAY PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVIR HOLRS | 10 TAL 085 e 10 MEAN 9 . 20-02 4.9 7.2 21.0 305 75.7 8.2 1 . 3 7.1 7.2 2.3 11.1 03-05 1 5.6 1.6 5.9 5.6 25.2 40.0 7.5 3 35 2.6 1.6 t6-08 1 7.6 2.3 7.6 3.0 . 7 2.3 E . C 24.6 43.9 7.8 301 6.3 47.D 52-11 1 2.3 7.0 3.6 . 7 2.0 8.6 22.5 7.9 302 12-14 1 4.6 1.3 11.8 25.0 41.0 7.5 6.2 2.0 5.6 7.6 305 15-17 | 4.3 3.6 5.0 2 • 3 7.3 7 . 3 25.7 37.0 7.6 303 18-20 1 5.7 4.7 7.4 1.3 ٠.4 34.4 7.3 299 21-23 1 6.2 5.0 23.5 37.5 7.3 307 TOTALS | 2427

STATION NUMBER:	225560	STAI	ION NAME:	ARKHANGELSK U	5 S B			JA 70 UQIAJA JUL :HTAOM	COPD:	7 9 7		
+ OUP S		9	1			• • • • • • •		TOTAL SKY (OVER		10	MEAN	10 T & L 0 B S
60 <b>-</b> 02	1	5.8	4.8	12.9	5.8	. 7	4.4	6+2	71.1	30.4	7.2	294
C*-05	ι .	5.5	1.8	16.9	6.1	1.7	4.9	10.2	20.5	16.5	7.3	293
66-0 <b>8</b>		5 . 4	4.4	16.6	4.7	1.7	3.0	9. <b>u</b>	21.2	38.4	7.3	297
. 9-11	1 (	5 - 1	2 • 1	7.5	7.5	1.4	4.4	<b>6.</b> 5	22.1	39.5	7.5	294
17-14	1 :	2.4	1.4	6.1	4.7	2.0	6.9	11.8	25.3	39.5	8.1	296
15-17	1 .	2.7	ž •4	4.7	8 . 1	2.0	4.0	11.4	27.6	37.0	7.9	247
34-20	J ;	2.4	4.1	9.2	4.8	1.4	7.1	۶.9	21.8	19.5	7.7	294
21-23	1 0	. 7	5.1	9 • 8	5 • 8	1.7	4.1	٠.3	26.4	\$2.5	7.3	295
TOTALS	1	• • 5	1.6	٠.٥	5.9	1.6	4 . 8	9.9	23.3	37.4	7.5	2360

### PFRCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 225560 STATION NAME. ARKHANGELSK USSR PERIOD OF RECORD: MONTH: JUL PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER FOLRS 1 TOTAL (LST) | J 3 Э MEAN 1 2 6 10 5.6 12.5 5.6 304 7.1 22-02 | 6.9 4.3 03-05 | 1.0 7.1 2.6 16.4 5.5 4.5 9.4 17.5 40.9 7.3 308 \_6-g8 | 5.9 3.6 9.2 4.6 . 7 3.3 4.5 20.0 43.3 305 7.6 59-11 1 9.1 4.6 €.8 5.2 1.0 2.3 7.5 21.5 42.0 7.5 7 ن 3 10-14 [ 4.9 2.6 €.3 6.6 3 • 6 6.5 12.2 20.4 37.2 7.6 364 15-17 | 2.0 4.9 5.2 5.9 2.6 5.9 23.9 34.3 7.7 306 19-20 1 4.6 6.3 2.3 5.0 10.9 20.2 38.7 7.5 302 21-23 1 3.9 5.9 307 1.6 5.5 6.2 23.1 38.8 9 . 8 TOTALS | 5.9 1.7 2443 9.6 20.8 39.3 4 . 6 7.5

)N NUMBER: 2255				E34 033K			MON	DU OF RE Th: AUG		79-87		
FOURS	• • • • • • •	• • • • • • • •	PEPCE	NIAGE FREQUE	NCY OF T		TOTAL S			• • • • • • •	•••••	TOTAL
(LST)		1	2	3 4	5	6	7	В	9	10	PEAN	085
rn−a2 1	6.5	2.3	••••••	.8 5.6	• 3	4.2	•••••	16.8	22.9	36.6	7.4	306
3 *- 05   f	4.6	4.6	t	.9 4.6	1.7	3.6		16.2	23.4	40.3	7 • 7	303
5-18 I	3.5	3	٤	.3 3.3	2.3	3.7		7.3	25.9	45.5	8 • 1	301
. /-11	3.0	1.3	Ğ	.2 5.6	. 7	3.9		7.9	24.6	47.2	6.2	365
17-14-1	2 - 3	1.0	4	.7 3.3	1 • 3	4.3		4.6	28.2	45.2	8.4	301
17-17	1.0	3.1	6	.8 6.2	1.6	5.8		11.7	25+0	40.3	8 • 1	3 O R
18-29 1	2 • 3	2.0	ŧ	0.8	1.7	5.3		8 . 3	27.3	37.0	7.9	300
11-23 1	3.3	٠.3	1.	8 7.9	1.3	2 • 3		6.6	21.6	43.0	7.6	305
TOTALS	5.4	2.4	1	.1 5.6	1.6	4.1		9.1	24.9	41.9	7.9	2429

# PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER:	225530	STATI	CK NAME:	APK	FANGELSK US	SSR			PE P I 0 6 MONTH		CORD:	79-87		
+ OUPS		?	1	?	PERCENTAGE 3	FREQUE	NCY OF T	ENTHS OF	TOTAL SKY	COALH	9	10	™E AN	101 <b>4</b> F
un-02	1 14	.8	;.7	• • • •	5.8	3.8	1.7	1.0	• • • • • • • • •	6.2	19.2	45.7	7.3	2 - 1
v 5-05	1 13	.4	1.7		5.5	1.7	• 3	2 • 4		6.7	18.6	49.5	7.6	2 71
F6-08	1 3	.1	3.1		3.8	3.1	1.3	2.4		6.2	21.5	55.7	8.5	289
J7-11	1 3	• G	Z •4		3.4	1.3	. 7	2.7		4.7	22.6	59.3	8 . 7	247
17-14	1 1	.4	•7		3.6	3 • 1	. 7	3 • 5		16.7	24.2	51.9	6 • 7	269
15-17	ı	. 7	1.7		4.4	2.4	1.4	3 . 7		9.5	30 . 3	45.9	8.6	2 +4
19-20	1 4	.4	1.4		6.6	3.1	1.4	2 • 8		8.6	23.1	50.7	8.4	290
21-23	1 7	•3	2.3		16.7	4.7	• 7	3.0		6.4	19.4	45.8	7.6	299
TOTALS	1 5	. 7	1.9		5.5	2.9	1.0	2.7		7 - 4	22.4	50.6	8.2	2340

STATION NUMBER: 2255UC STATION NAME:								PERIOD OF HECORD: MONTH: DET			77-86			
HOURS (LSI)	!	:	1		PERCENTAGE							10	MEAN	10 TAL 0 tl S
00-02		.7	1.3	• • • •	4.7	3.0	. 7	3.0	• • • • • • • •	5.0	17.4	58.1	0.3	29A
0 *- 05	1 6	2	1.6		6.6	2.6		1.6		4.3	19.7	57.4	8 • 3	35
J 6 - C 8	1 3	• 6	1 • 7		4.3	3.6	. 7	1.0		3.3	20.5	61.3	8 • 6	302
19-11	1 1	8	1.1		4 • 2	2.5	. 4	1.4		3.9	19.8	64.7	8.9	253
17-14	1	• 7	1 • 7		3.4	2.7	1 • G	2.7		5.4	22.5	60.1	8.9	298
15-17	1 2	• • 3	i•9		3.3	4.0	. 7	1.3		5.6	21.8	59.7	8.8	303
18-20	1 (	:.0	4.3		4.4	2.7	1.0	1.7		4.2	21.9	57.2	8.4	297
21-23	1 6	• .	9		4.6	2 • 6	. 3	1.3		4.2	22.2	55.6	8.3	306
FOTALS	1 :	8	· • C		4.4	3.0	• 6	1.7		4.5	20.7	59.3	8 • 6	2392

DECHAL CLIMATCLOSY PRANCH ESAFFTAC AID WEATHER SERVICE/MPC

## PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM FOURLY OBSERVATIONS

STATICN NUMBER: 235507 STATICA NAME: ARKHANGELSK USSR PERIOD OF PECORD: MONTH: NOV PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER FUCRS | (ESTI | TOTAL 7 5 4 é 1 6 9 13 ME AN 085 .:-0:1 296 3.1 21.4 65.1 13-64 4.5 1.7 3.4 2.4 1.0 3.4 66.4 292 1 47-1 4.1 • 7 2.4 1.7 1.0 3 - 1 19.7 274 66.3 8 • 9 2-11-1 2.5 1.5 9.2 1.8 2.2 22.5 67.6 275 1 -14 1 3 - 1 1.0 . 3 2 • 4 1.7 18.9 69.8 9.1 291 11-17-1 3.4 2.4 1.0 69.4 9.2 3 - 1 19.0 294 1 - - 2 - 1 4.4 1.0 2.4 1.7 2.4 20.1 5.1 62.8 8.0 293 11-23 1 5.4 4 . 4 1.4 3.4 2.4 . 7 16.9 63.9 8.6 296 THITALS 1 2.4 1.0 3.1 1.9 1.7 19.5 8.9 • 1 3.0 66.4 2330

171106 M MG 9: 275531	STATION NAM	ME: ARKFANGELSK I	USSR		PERIOD OF RE MONTH: DEC	CORD:	77-86		
62362   (137)		PEHCENTAGI ? 3		OF TENTHS OF	TOTAL SKY COVER	9	10		OBS
7+12 T = 10	1 3	2.6	2.3 1	ນ 2.0	1.6	16.3	60.9	8.0	3J7
7+75 [ 17	`•4 .3	4.2	6	.3 2,6	3.6	16.0	57.8	7.9	306
100 x 4 4	1.3	5.0	2 . 7 1	. 3 2.0	2.7	16,9	60.1	8.2	301
9-11 I	1.4	4.5	3 • 6	. 7 1 . 8	4.3	14.0	64.7	8.5	27A
1 -14 1	1.5	· • 3	1.6	.7 2.0	ч. с	14.3	68.4	8.8	3 6 7
1*-17 1	1.5	4.3	4.3 1	.3 4.9	2.3	11.8	67.8	8 • 7	304
57 1 17	1.0	6.9	1.3	. 3 3.9	4.9	15.5	55.9	7.9	304
21   11	1.0	1.9	2.6 1	. 3 1.0	5.2	14.4	59.0	8.0	305
T = 7 A T = 7	1.5	4.3		. d 2 . 5	3 • 7	14.9	61.8	8.3 2	412

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/HAC

### PERCENTAGE FREQUENCY OF UCCLRRENCE OF SMY COVER FROM FOURLY OBSERVATIONS

STATION NUMBER: 22550C STATION NAME: ARKHANGELSK USSR

PEPIOL OF PECOPO: 77-87 MONTH: ALL

,.,,...,,..., PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER TOTAL FOURS 1 а MEAL ) 4 5 6 9 10 085 2397 ALL 1 11.2 1 . 4 3.0 FEB 1 12.5 1.0 4.9 3.4 . 4 2.0 4.0 12.9 59.0 7.8 2119 MAF 12.5 1.6 2.2 18.3 7.6 2405 43.4 7 . 3 2333 APR 2.9 3.4 . 8 2.8 6.7 20.2 12.0 8 .4 7.5 8.4 6.0 1.4 4.2 6.3 23.4 39.6 2427 MAY 5.9 3.2 7.5 3.6 9.0 5.9 1.6 4.8 9.9 23.3 37.4 2360 JUN 4.5 JUL 4.9 4.5 8.9 5.9 1.7 4 . 6 9.6 23.8 39.3 7.5 2443 4.1 9.1 24.9 41.9 7.9 2429 AUG 3.4 2.4 7.1 5.6 1.6 2.7 22.4 50.6 2.9 7.4 8.2 2340 SEP 5 . 7 1.9 5.5 1.0 CCT 2.0 3.0 1.7 4.5 20.7 59.3 6.6 2392 3 . 6 NOV 1.5 1.9 . 1 1.7 3.6 19.5 66.4 8.9 2330 DEC 3.7 8 • 3 2412 1.0 TOTALS | 3.9 2.9 6.0 19.5 50,9 7.9 28447 7.3 2.2 1.0 €.3

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b t b t b t bb	A A A A A	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1111111	FLFEFEEEE
66 <b>6666</b> 666	A A A A A A A	4 K RPR RR R R	11111111	EFEELEEFE
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F.b. F.b.	44 46	नग सह	1.1	FL
5 c b b b b t. bb b	C. T. A. T.	2 K K B 2 G 2 G R	11	ELEELL
<b>bubbbutb</b>	1 A A A A A A A A A	# P # R R R R R	T T	EEEEE
9.9	44444444	सम सम	11	EL
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Ł t	44 11	मार सार	ŤΤ	LECELLELFE
b b	ΛΑ Λ.	RR PR	ŤŤ	LEEFILEGEL

#### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE ERECAUCNEY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND META) TEMPERATURES

PERCENTAGE TARGULATIONS PRESENTED BY S-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEV-LATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAMRENPEIT VALUE.

SINCE MANY STATEONOMISTS TO NOT HAVE MAXIMUM MINIMUM THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS BO NOT INCLUDE INCOMPLETE MONTHS.

FORE OF MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

#### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY DESERVATIONS.

PRESENTED ARE THE PIGHEST CLONEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED PROVE.

AN ASTERIST INPICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULK THET BULK AND DEM POINT TEMPERATURES

MATA GERIVES FROM HOUSEY DASERVATIONS.

CATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINEDL.

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRINCE OF RELATIVE HUMIDITY

BATA OFRINED FROM HOURLY DOSERVATIONS.

SUMPARTIZED BY THE STANDARD 3-HOUP TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINEDI.

PERCENTAGE VALUES PRESENTED IN 13 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

JUST PRESENTED APT THE FEAR VALUES AND URSERVATION COUNTS.

# GLOBAL CLIMATOLOGY BRANCH URY-BULB TEMPERATURES DEG F FROM HEANS AND STANDARD DEVIATIONS USAFETAC HOLPLY OBSERVATIONS AIR VEATHER SERVICE/MAC

STATION NUMBER: 2255CC STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 77-87

ST I	STATS 1	MAL	FEb	MAR	APR	MAY	JUN	<b>⊌</b> UL	<b>₽</b> U C	ŞEP	OCT	40 ¥	() E C	AKN
1   32 	101 0851	4.6 18.024 205	7.1 14.687 274	18+3 12+820 306	27.0 8.869 293	39.5 9.067 303	49.0 9.741 293	7.161 304	50.2 7.959 306	43.7 6.747 290	73.6 8.779 297	25 · 6 10 · 419 295	11.2 16.478 307	30.4 20.417 3573
35 l 1	MEAN   SD   TOT ORS	5.4 18.471 301	7.3 15.157 274	17.6 13.706 303	25.9 9.819 294	38.0 8.937 302	47.1 9.816 293	52.2 7.783 307	49.4 7.932 299	43.2 6.856 288	34.0 8.577 304	26.0 10.507 292	12.3 16.395 306	36.0 19.752 3563
  80 	MEAN 1	4.5 18.522 297	5.7 15.221 274	15.7 14.099 303	24.6 9.946 295	39.4 6.680 301	49.6 9.462 297	54 • 2 6 • 9 0 6 3 0 5	48.8 7.838 300	41.6 6.944 297	32.5 8.524 301	25.0 10.551 293	11.3 16.454 299	29.6 20.478 3552
11	MEAN   50   101   01:51	4.3 18.633 276	6.9 15.175 ?51	10.1 12.923 276	30 • 4 8 • 5 19 2 7C	45.2 10.314 302	55.1 1j.9j8 294	59.6 7.499 307	54.2 7.516 305	44.8 6.254 276	13.8 8.388 282	24.7 10.978 273	10.9 16.396 278	33.2 22.657 3414
   4   	MEAN I	5.4 17.857 296	9.8 12.985 282	24.0 10.513 303	34.8 8.827 297	49.5 11.740 305	58.9 11.571 296	63.6 6.420 303	58.4 8.635 301	49.3 6.965 286	35.4 7.339 298	25.8 13.470 289	12.0 15.829 305	35.7 22.645 3563
1 7 ! 1 7 !	MEAN   SO   TOT OFS	5.6	11.5 12.045 276	27.u 9.396 302	36.6 8.885 294	51.2 11.935 301	60.6 11.564 295	65 • 0 8 • 4 2 6 3 0 5	59.8 8.997 308	50.9 7.365 293	36.5 7.75a 3g4	26.0 10.557 293	11.4 16.040 304	37.0 22.890 3579
   20  	MEAN 1	5.1 17.771 205	9.5 13.158 272	25 • U 9 • 7 3 u 3 C 3	35.4 8.503 291	49.9 11.124 296	59.5 11.354 295	64 · 3 8 · 1 0 6 3 0 2	58.5 8.273 300	48.8 7.125 290	34.7 7.856 296	25.4 10,892 292	11.0 16.316 304	35.7 22.905 3546
23   (	MEAN	4.7 18.094 206	7,9 14,103 274	21.1 11.567 304	30.5 8.069 294	45.2 16.271 366	55.6 10.162 295	60.2 6.851 396	53.1 7.709 304	44.8 7.124 299	23.7 8.505 305	25.0 10.842 294	11.0 16.520 304	32.9 21.622 3591
. i	MEAN I	5.C 18.C44 2392	8.3 14.196 2177	26.9 12.539 2402	30.6 9.924 2326	44.7 11.424 2416	54.4 11.673 2358	59 • 1 9 • 0 1 5 24 3 9	54.1 9.104 2423	45.9 7.586 2331	34.3 8.298 2387	25.4 10.645 2321	11.4 16.287 2407	33.1 21.767 28381

GLOBAL CLIMATOLUGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC WET-BULE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR

PEPIOD OF FECORD: 77-87

OURS! STATS LST	ИAL	FEB	MAR	APR	MAY	JUN	JUL	ΔUG	SEP	001	NOV	l E C	ANN
MEAN		6.9	17.5	25.4	36.7	46.0	51 • 6	48.4	42.5	32.6	24.9	10.9	29.1
0-32  SD		14.317	12.356	8.469	8.17 <sub>1</sub>	8.938	6 • 6 6 1	7.478	6.479	8.435	10.16 <sub>0</sub>	16.235	19.342
TOT OBS		272	306	293	300	293	304	305	290	297	294	307	3566
MEAN	5.1	7.C	16.9	24.6	35 · 8	44.8	°0.4	48.0	42.2	33.2	25.3	12.3	26.9
3-05  SD	18.211	14.982	13.302	9.406	8 · 1 76	9.173	7.298	7.497	6.629	8.331	13.217	16.154	19.106
TOT GBS	300	274	302	274	3 C 2	293	307	299	287	304	291	304	3557
MEAN	4.2	5.4	15.2	23.5	36 • 7	46.2	51 • 7	47.5	40.8	31.8	24.5	11.6	28.4
50   80	18.320	14.991	13.795	9.421	7 • 98 7	8.834	6 • 7 3 2	7.459	6.750	8.274	10.333	16.219	19.661
101   65	296	274	303	293	2 9 9	297	3 0 4	300	294	3CJ	293	299	3542
MEAN    -11  SD   TOT ORS	4.0 18.348	6.7 14.898 25C	17.3 12.361 277	27.9 8. <sub>00</sub> 6 268	40.0 8.434 299	48.8 9.211 294	54.6 6.695 3J7	51.0 6.894 305	43.2 6.050 296	32.9 8.215 279	24 • 1 10 • 7 6 3 26 8	10.6 16.085 276	36.9 20.319 3397
1 MEAN		9.2 12.560 281	22.3 9.735 302	30•7 7•590 296	41.8 8.517 300	50.4 8.830 295	56.3 6.445 302	52.7 6.996 299	45.7 6.145 288	33.9 7.155 295	25 • 1 10 • 208 288	11.6 15.635 301	32+2 19+879 3543
MEAN	5.3	11.2	24.5	31.8	42.7	51.4	56 • 9	53.2	46.4	34.6	25 • 2	11.0	33.J
-17  SP	16.919	11.5#3	8.501	7.429	8.470	8.563	5 • 9 7 3	6.918	6.239	7.360	10 • 212	15.786	19.742
TOT OES	299	275	301	294	300	294	302	308	292	302	292	304	3563
MEAN	4,8	9.1	23.2	31.2	42.5	50.9	56 • 9	53.0	45.7	23.4	24.7	10.7	32+2
-20  SO		12.324	8.963	7.282	8.272	8.737	6 • 0 4 4	6.847	6.467	7.623	10.597	16.326	20+170
TOT ORS		272	302	288	296	293	3 0 2	300	289	295	291	303	3535
MEAN	4.5	7.4	20.0	28.0	40.4	49.7	55.5	50.4	43.1	32.8	24.3	10.8	30.6
-23  SC	17.822	13.726	10.979	7.640	8.387	8.690	5.998	7.056	6.719	8.167	10.554	16.296	20.005
TOT ORS	306	272	303	293	305	294	306	304	298	305	292	301	3579
MEAN	4.7	7,9	19.6	27.9	39.6	48.5	54 • 2	50.5	43.7	33.2	24 • 8	11+1	30.7
LL   SD	17.781	13,843	11.818	8.714	8.696	9.168	6 • 9 3 5	7.465	6.691	7.989	10 • 3 6 9	16+038	19.643
URSITOT ORS	2384	2170	2396	2319	2401	2353	24 3 4	2420	2324	2377	23 0 9	2395	28282

GLOBAL CLIMATOLOGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANUARD DEVIATIONS

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PEPIOD OF PECORD: 77-87

LST	STATS	JAN	FEB	MAR	APP	мач	JLN	.uL	AUG	ŞEP	ест	NOV	EEC	A NN	••
J0-02	MEAN     SD     IOT USS	.9 18.771 395	3.7 14.873 272	14.3 12.952 306	21.0 9.592 293	32.5 9.082 300	42.7 9.597 293	49 • 4 7 • 1 4 7 30 4	46.8 7.598 305	41.2 6.850 290	39.3 8.951 297	294	6.1 17.054 307	26.3 20.u86 3566	••
_3 <del>-</del> u 5	MEAN     SD     TOT OBS	19.165 30u	3.6 15.347 274	14.0 13.790 302	20.9 10.429 294	32 - 4 8 - 77 4 3 C Z	42.4 9.622 293	48.9 7.467 337	46.8 7.588 299	41.2 7.024 257	31.5 9.018 304	23.2 10.992 291	9.1 16.995 334	26.4 19.986 3557	••
"6 - J8   	MEAN I	.9 19.255 296	2+1 15+596 274	12.4 14.398 303	20.0 10.311 293	32.6 8.857 299	42.5 9.826 297	49.5 7.369 304	46.2 7.669 300	79.9 7.J83 2P4	30.2 9.649 303	22.4 11.158 293	8.0 17.073 299	25.7 20.374 3542	••
.9-11 	MLAN I	•£ 19•200 278	3.3 15.65# 250	13.6 12.840 277	22.3 13.060 268	32.9 9.324 299	42.3 10.406 294	50.4 7.745 307	48.1 7.439 305	41.5 6.573 296	:1.1 8.992 279	21.9 11.473 268	7.7 16.870 276	27•1 20•498 3397	••
12-14	MEAN     50    TOT GES	1.6 18.468 296	5.4 13.017 281	16.9 10.848 302	22.6 9.857 296	31.9 9.745 300	41.9 10.142 295	50 • 2 7 • 5 3 7 3 0 2	47•6 7•730 299	41.6 7.082 288	31.1 3.463 295	22.7 10.943 288	8.6 16.547 301	27.5 19.556 3543	••
15-17  	MA3"   DZ  290 101	1.6 17.851 279	6.9 12.785 275	18.2 9.962 101	22.8 9.876 294	31.9 9.892 300	42.6 9.941 294	50 • 3 7 •044 302	47•4 7•738 398	41.5 7.418 292	71.3 8.766 302	22.8	8.1 16.626 304	27.3 19.276 3563	
18 - 2 J 1	MEAN 1 SU 3 TOT OFS!	1.4	5.3	18+0 10+320 302	23.1 9.709 288	33.0 9.736 296	42.4 10.293 293	51 • 0 7 • 2 0 0 3 0 2	48.1 7.679 300	42.3 7.291 289	30.8 8.768 295	22.4	7.9 16.798 303	27.2 19.656 3535	••
21-23	MEAN I	1.1 18.62 196	3.9 14.204 272	16 - 1 20 - 11 20 5	22.2 9.9C2 293	33.9 9.156 305	43.8 10.024 294	51 • 7 6 • 9 9 5 3 0 6	48.0 7.388 304	41.3 7.239 298	30.7 8.85u 305	22.1 11.283 292	7,8 17.203 301	27.1 20.315 3579	••
ALL	MEAN !	1.2 18.683	4 . 3	15.5 12.347 2396	21.9 10.055 2319	32.6 9.334 2401	42.6 9.983 2353	50 • 2 7 • 3 5 5 24 3 4	47.4 7.622 2420	41.3 7.094 2324	31.0 8.833 2377	22.5 11.120 2339	8.2 16.878 2395	26.8 19.999 28282	

GLOBAL FLIMATCLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF CCCURRENCE PELATIVE HUMIDITY
FROM FOURLY OBSERVATIONS

	N NUMBE	R: 225500	2 I A I I C K	NAME:						PEPICO OF MOMIN: JA	N	5-87	
					FREQUENC	Y OF RE	LATIVE HL	MIUITY	GREATER	THEN	I MEAN I		· · · · · ·
(	!	1 10:	215₹	3⊔€	40%	501	601	70%	8 C %	9 U \$	!RELATIVE!  HUMIDITY	085	
JAN		103.0	126.0	1.0.0		99.7	99.3	96.4			84.2	305	
į	J <b>3-</b> 05	153.0	100.0	150.0	99.0	99.0	99.0	97.3	76.1	29.7	94.2	300	
!	€6~ <b>6</b> 8	1:0.0	100.0	100.0	100.0	100.0	99.7	96.3	71.6	27.4	84.4	296	
	^9-11	100.0	100.0	136.0	100.0	100.0	100.0	96.4	66.2	26.6	83.8	276	
	12-14	100.0	130.0	100.0	99.7	99.7	99.0	96.3	68.9	25.3	83.8	29€	
į	15-17	100.0	120.0	166.0	99.7	99.7	99.3	97.0	69.9	25 • 1	83.9	299	
į	18-15	100.0	100.0	100.0	100.0	100.0	99.7	96.7	71.4	27.3	84.1	334	
1	21-23	100.0	1 00 . 0	100.0	100.0	100.0	99.7	98.0	72.2	26 • P	84.2	30€	
i	TOTALS	   100.2	100.0	160.0	99.8	99.8	99.5	96.8	71.2	27.1	84.1	2384	

GLOBAL CLIMATOLOGY BRANCH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OPSERVATIONS

AIR WEATHER SERVICE/MAC

STATIO	ON NUMBER	2: 225500	STATION	NAME:	ARKPANGEL	SK LSSR				PERIOD OF A	ECOFD: 7	' a - 8 7	
MONTH	FOURS	 						UMIDITY G		THAN	MEAN	TOTAL   NUP	
	1 1	10%	201	34*	4C \$	50%	6 37	7 G %	80%	962	IHUMIDITY	•	
FEB	1 1		·	100.0	100.0	99•6	98.9	96.0	78.7	36.0	85.3	274	
	53-55	100.0	100.0	100.0	100.0	99.6	98.5	96.0	79.6	27.9	84.9	274	
	76-58	100.0	100.5	100.0	100.0	100.0	98.5	96.0	78.8	30.3	85.1	274	
	j9 <b>-11</b>	100.0	100.0	100.0	100.0	100.0	98.4	75 • 2	75.6	29.2	84.6	251	
	12-14	160.5	100.0	100.0	10(.0	98.9	97.5	92.2	63.0	22.4	82.3	281	
	15-17	: 150.5	100.0	1.0.0	100.0	98.2	95.6	88.5	56.4	16.4	80.5	275	
	18-20	100.0	130.0	100.0	100.0	99.3	97.8	93.4	73.2	20.6	A3.2	272	
	21-23	100.0	100.0	100.0	100.0	99.6	97.4	93.8	76 • 1	26.8	84.3	272	
	I TOTALS (	1co.c	105.40	100.B	100.0	99.4	97.9	93.8	72.7	16.5	83.7	217(	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC CUMULATIVE PEPCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY ORSERVATIONS

RELATIVE PUMIDITY

STATION NUMBER: 2255CC STATICN NAME: ARKHANGELSK USSR

PERIOD OF RECORD: HONTH: MAR

78-97

MONTH	FOURS				FREQLENCY						MEAN     RELATIVE	TOTZL J	• •
	Į	1 107	201	308	401	50%	60%	70%	80%	9.0\$	HUMIDITY	085	
MAR	   20-02	1 100.0	100.0	160.0	59.7	98.7	97.4	90.2	74 . A	34.3	84.6	306	
	33-05	1 100.2	100.0	120.0	100.0	99.7	98.0	93.4	81.1	41.1	86.0	302	
	66-89	100.0	130.3	1.0.0	100.0	99.7	99.3	95.4	81.2	43.2	86.8	303	
	19-11	l icn.c	1 JC • C	100.0	100.0	96.9	97.5	89.2	70.8	27.4	83.3	217	
	12-14	150.0	156.0	100.0	90.3	94.7	85.4	67.9	37.1	9.9	74.9	302	
	15-17	1 100.0	150.0	150.0	97.G	91.4	75.4	54.5	28.2	7 . 3	73.6	301	
i	18-20	103.0	100.0	100.0	99.0	93.7	83.4	67.2	42.1	14.9	75.4	302	
	21-23	100.0	100.5	100.0	99.7	98.0	93.7	81.5	61.4	27.4	81.4	303	
	1014LS	   100+2	100.0	100.0	99.3	96.9	91.2	79.9	59.6	25.7	83.4	2396	

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FORM HOURLY ORSERVATIONS

YTEGENUA BVITALBE

STATION NUMBER: 20550C STATION NAME: ARREANGELSK USSR

PERIOD OF RECORD: 78-87 MONTH: APR

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN MONTH HOURS | [ MEAN | TOTAL | NUF THEMIDIFY OBS | 104 261 3.1 4E \$ 50% 602 731 \$28 962 APR | 00-02 | 100.0 100.0 100.0 99.7 94.2 72.7 52.9 79.1 86.3 30.7 293 33-05 1;8.5 100.0 100.0 100.0 97.6 91.8 79.5 63.9 33.7 92.1 294 1 06-08 100.0 99.7 94.5 150.0 100.0 97.6 85.C 64.8 37.7 93.3 293 1 79-11 100.0 100.0 100.0 99.3 91.0 77.2 58.2 39.6 14.6 73.2 268 1 12-14 1:0.0 100.0 97.6 90.5 71.3 54.4 23.0 63.3 29 t 1 15-17 1 1(0.0 100.0 47.3 8 7 . 3 63.9 46.3 29.3 17.7 6.5 60.1 294 1 18-27 | 100.0 98.3 87.2 72.6 20.1 63.0 286 1 21-23 1 100.0 130.0 166.0 88.4 57.3 15.0 72.8 76.8 36.5 293 LICTALS ! 1:0.0 100.0 72.6 39.8 18.8 56.4 72.1 2319

•

ULORAL CLIMATOLOGY RHANCH USAFLTAC AIR WEATHER SERVICE/MAC

# CLMLLATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY ORSERVATIONS

FELATIVE HUMIDITY

		P: 225500								PERIOD OF MONTH: MA	Y	78-87	
	I HOURS		PΕ	RCFNTAGE	FREQUENC	Y OF REI	ATIVE H	MIDITY	GREATER	THAN	MEAN	TOTAL	
	1	131	201	30%	4C %			7 <sub>U</sub> %		3.25	HUMIDITY	I 085	i
МАЧ	1	1	176.6		99.0	96.0	84.7	68.0	48.3	22.7	77.3	301	
	13-05	100.0	103.7	100.0	101.0	99.3	93.4	77.5	58.3	20.0	80.9	301	
	76-28	100.5	100.0	100.0	100.0	98.3	91.0	68.9	43.5	16.7	77.2	295	
	9-11	100.0	100.0	99.3	92.3	75.6	55.2	32.1	17.7	A . 4	63.9	295	
	12-14	100.0	99.D	6P.7	71.7	54.0	31.7	19.3	12.3	6.7	54.1	300	
	15-17	100.0	98.0	o 2 • 3	65.3	49.0	39.0	18.0	10.7	4.7	51.8	300	
	18-27	1,50.5	99.7	91.2	74.3	56.8	34.8	22.0	15.5	6 • B	55 <b>.</b> A	29€	
	71-23	100.0	100.5	99.0	94.4	0.58	61.0	38.7	22.0	11.1	66.6	30:	
	TOTALS	100.0	99.5	95.1	87.1	76.3	60.2	43.1	28.5	13.3	66.3	2401	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/PAC

I TOTALS I

#### CUMULATIVE PEPCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY OBSTRUATIONS

WELATIVE HUMIDITY

67.6

2353

STATION NUMBER: 225501 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: JUN 103 203 303 JUN 1 00-00 1 102.0 190.5 166.0 90.7 96.2 ৪০.1 78.2 57.7 25.0 90.2 293 33-65 100.0 99.7 99.7 94.5 293 84.6 84.6 16-08 100.5 100.0 100.0 100.0 97.3 88.9 69.5 41.8 19.2 11.2 297 79-11 100.0 35 . 7 98.6 93.2 78.2 54.8 18.7 F . ? 294 36.1 64.3 12-14 150.0 100.0 77.3 95.3 54.2 38.0 24.7 11.2 4.1 56.2 295 15-17 100.5 93.2 99.7 71.8 52.0 37.0 4.4 54.0 294 20.7 10.5 18-27 1 57.0 100.0 39.7 45.6 75.4 14.7 6.5 38.6 25.6 56.6 293 ļ 41-23 i 93.2 100.0 100.0 49.0 81.6 61.6 37.4 24.8 11.6 66.7 294 100.0

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CLMLLATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY OBSERVATIONS

PELATIVE HUMIDITY

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR PERIOD OF RECORD: MONTH: JUL | | 101 201 301 401 501 JUL | "4-62 | 100.1 100.0 100.0 100.0 99.3 96.7 88.5 70.4 39.1 84.8 304 03-05 | 100.0 130.6 100.0 166.0 99.7 99.3 95.4 82.7 53.4 88.7 307 16-CF | :00.t 100.5 100.C 100.0 98.4 19-11 1 1:3.0 100.0 100.0 99.7 83.1 307 72.8 12-14 100.0 130.0 93.7 53.6 34.1 7.0 16.2 63.8 301 15-17 130 • C 98.7 90.1 69.9 6.0 len.t 46.4 26.1 13.6 61.0 302 1:3.5 100.0 55.0 33.4 19.9 99.3 93.0 74.5 7.3 64.1 302 21-21 1 10n.c 100.n 83.0 150.0 90.4 96.1 64.4 36.3 12.7 74.5 30€ LIGIALS I 100.0 100.0 99.6 96.9 89.3 76.6 61.6 42.3 21.0 74.3 2434

# COMULATIVE PERCENTAGE FROM FOURTY OF OCCUPRENCE FELATIVE HUMIDITY FROM FOURTY ORSERVATIONS 71 - 1775- - 1757- 187

1811	e, e, w.	11:			. 1 A 1 1 3	N NAME:	APKEANGEL	SK USSF	7			PERIOD OF		79-81	
- 1	eration eration				· • • • · · · · · · · · · · · · · · · ·	CERCENTAN	E FREGUENC	y of Pt	LLATIVE	FUM IUITY	GREATER	THAN	MEAN		¦
			:	:		ಕ ಕೃತ	46%	50%	638	7 g \$	8 D \$	90%	FUMIDITY	280	1
		1					107.0						88.5	305	
		İ		•	1	100.0	100.0	99.7	99.7	99.5	89.6	63.2	90.9	295	
		1	1.0		11.	140.0	101.5	99.7	59.7	99.3	89.7	5 ª . r	90.7	306	
		. 1	::	•	1 ". •	1.0.0	100.0	99.3	94.1	82.3	48.5	21.3	80.4	305	
			: -		1~	" 1ut•0	97.7	90.0	70.2	45.5	20.1	۰.^	69.8	244	
		·	,		1"	100.0	91.8	83.8	58.4	36.4	18.2	7 • n	65.5	308	
			·		1	100.0	54.0	1.98	73.3	48.7	23.3	15.7	70.0	300	
			1 **		1	1.00.0	45.7	99.0	97.7	88.8	62.5	24.7	83.3	304	
	1 1 - 1	·	. 1		1 " > • "	156.0	9 F . Q	94.7	86.6	74.4	54.4	3	79.8	2420	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHFP SERVICE/MAC

CLMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY OBSERVATIONS

RELATIVE HUNIDITY

		: 225500								MONTH: SE	p		
	HOURS				FREQUEN			MIDITY O	REATER	THAN	MEAN     BVITALIVE!	TOTAL	!
I	1	153	201	3 ل <b>3</b>	40%	501	60%	70%	80%	÷ 0.\$	PTIQIMUH		i
SEP !	su-us	100.0	100.0	160.0	100.0	99.7	99.7	98.6	89.0	65.2	90.9	291	
!	J3-05	100.0	130.0	100.0	100.0	100.0	160.0	99.0	93.3	69.7	92.4	287	
;	L6-88	160.0	100.0	100.0	100.0	100.0	100.7	99.3	95.8	74.1	93.3	294	
į	79-11	10.0	150.0	160.0	100.0	99.7	99.3	97.3	81.8	45.1	88.2	29€	
į	12-14	100.0	150.0	100.0	99.7	97.2	86.5	66.3	42.7	17.4	76.5	286	
1	15-1/ j	100.0	100.0	130.0	98.6	90.8	73.6	53.1	30 • 9	13.6	71.5	292	
į	18-23	1,50.0	100.0	100.0	160.0	98.3	93.4	75.1	49.8	16.7	79.0	285	
į	11-23	100.0	100.0	100.0	100.0	99.7	98.0	95.3	77.9	50.r	87.6	298	
i	TOTALS 1	100.0	100.0	130.0	99.8	98.2	93.8	85.5	70.1	44 . A	84.9	2324	

# GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PLRCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY USAFETAC FROM HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

DITATE	ON NUMBER	: 225580	STATION	NAME:	ARK+ ANGEL	SK USSR				PERIOD OF F	ECORD: T	7-86
	HOURS     (LST)		PEI	RCENTAGE	FRECUENC	Y OF PEL					MEAN    - RELATIVE	TOTAL   NUP
	! !	103	20%	3∪\$	4C 2	50\$	60%	75%	861	70%	[HUMIDITY]	085
061		1 <b>CO -</b> C	126.0	100 C	100.0	99.7	99.3	96•□	89.6	54.9	89.8	297
	03-05	1[0.5	106.0	100.0	100.0	99.3	99.0	96.7	89.8	69.1	90.8	304
,	   6-30   	100.0	100.0	100.0	106.0	100.0	99.3	97.7	92.7	67.3	91.3	300
	n9-11	: 60 • 5	156.6	100.0	i 30.0	44.6	99.6	97.6	88.9	60.2	90.2	274
	[ 12-14     12-14	160.5	100.0	100.0	99.7	99.3	96.6	<b>85.</b> 8	67.1	41.7	85.0	295
i	15-17	100.0	100.0	100.0	100.0	97.7	92.4	17.2	60.6	36. • ₽	82.0	302
	   18-23   	1:0.0	100.0	100.C	100.0	99.3	97.3	89.2	74.6	45.1	86.2	295
	21-23	100.5	105.0	100.0	100.0	99.7	98.7	94.8	81.3	54.4	89.4	305
1	I Itotals I	169.0	100.0	160.G	100.0	99.3	97.9	91.9	80.6	54.1	88.0	2377

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM FOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 225530 STATION NAME: ARKHANGELSK USSR PERIOU OF RECORD: 77-86 MONTH: NOV NOV | 00-52 | 1:0.0 100.0 100.0 99.7 99.7 99.7 97.6 88.1 55.4 86.9 294 73**-**05 100.0 102.0 100.0 100.0 99.7 99.3 98.3 90.7 54.0 87.3 291 u6-04 I 10C.G 100.0 100.5 160.0 100.C 100.0 98.3 89.8 56.3 89.6 293 79-11 | 100.0 170.0 130.0 100.0 100.0 100.0 98.9 88.8 51.1 89.3 268 12-14 140.0  $i_{\partial\omega} \bullet 0$ 100.0 100.0 100.0 100.0 97.9 44.4 386 15-17 1:0.0 100.0 100.0 100.0 100.0 99.3 97.6 83.6 42.8 87.5 292 18-21 100.0 100.0 160.0 100.0 100.0 97.3 99.3 88.3 50.9 291 88.6 21-23 100.0 100.0 100.0 100.0 99.7 99.7 98.3 89.7 52.7 88.9 292 TOTALS I 100.0 100.0 100.0 100.0 99.9 99.7 98.C 88.1 51.0 88.7 2335

# ULUBAL CLIMATOLOGY RRANCH CUMULATIVE PEPCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY USAFETAC FROM HOURLY ORSERVATION: AIR WEATHER SERVICE/MAC

STATION NUMBER: 2255GC STATION NAME: ARKHANGELSK USSR PEP10U OF RECORD: 77-86

										MONTH: DE	2		
MONTH	HOURS	! !	PE	HCENTAGE	FREQUEN	CY OF REI	LATIVE H	MIUITY G			MEAN     IRELATIVE	TOTAL I	••••
	1	161	201	36%	403	50%	60%	70%	801	90%	humidity		
DEC	00-02	100.0	106.0	100.0	100.0	100.0	100.7	99.7	83.4	30.1	96.9	307	
	03-05	1 100.C	173.0	100.0	100.0	100.0	99.7	98.0	84.5	39.8	86.6	304	
	1 76-DB	100.0	100.0	100.0	100.0	99.7	99.3	98.[	82.6	37.1	86.3	295	
	1 09-11	100.5	100.5	100.0	100.0	99.6	99.6	98.9	81.2	39.8	86.4	276	
	1 12-14	100.0	170.0	100.0	100.0	99.7	59.3	97.3	81.7	34.2	86.1	301	
	15-17	100.0	100.0	100.0	100.0	100.0	160.0	99.6	83.9	34.2	86.4	304	
	18-20	100.5	100.0	100.0	100.0	130.3	100.0	98.7	82.8	35.3	86.5	303	
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	98.0	83.4	35.9	86.3	301	
	TOTALS	)   100.0	100.C	100.0	100.0	99.9	99.7	98.5	82.9	36.7	86.4	2395	

GLOBAL CLIMAT DLOGY BRANCH USAFETAL AIR WEATHER SERVICE/MAC

TIOTALS I

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CLHILATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY UBSERVATIONS

RELATIVE HUMIDITY

79.7 28282

30.4

FERICO OF RECORD: 77-87 STATION NUMBER: 225530 STATION NAME: ARKHANGELSK USSR MONTH: ALL MONTH! HOURS .,...,.... 100.0 100.0 100.0 99.8 99.5 96.8 71.2 27.1 84.1 2384 1:0.0 100.0 100.0 100.0 99.4 97.8 93.8 12.7 26.5 83.7 2170 FEB 79.5 59.6 25.7 80.4 239€ 100.0 100.0 MAR 100.0 100.0 100.0 99.7 94.5 72.6 56.4 39.8 18.8 72.1 2314 APR 43.1 28.5 15.3 66.0 2401 99 . r 95.1 87.1 76.3 60.2 MAY 120.0 14.9 2353 88.8 77.0 62.9 47.0 31.0 99.5 77.7 JUN 100.0 21.0 74.3 2434 99.6 96.9 89.3 76.6 61.6 42.0 JUL :00.0 170.0 3 P . A 74.4 54.4 100.0 100.0 98.9 94.7 86.6 100.0 AUG 44.0 84.9 2324 99.8 85.5 7C - 1 SEP 1:00.5 100.0 100.0 98.2 93.9 54.1 2377 91.9 80.6 88.0 001 100.0 100.0 102.0 100.0 99.3 47.8 98.0 88.7 2304 88.1 51.0 NOV 100.0 100.0 100.0 160.0 99.9 99.7 1:03: 100.0 106.0 99.9 99.7 98.5 82.0 . 36.7 86.4 2395 occ t

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#### PRETSURE SUMMARIES

STATION FRANCE SUMPARIES

ONTA DEREVED FORM HOURLY OPSERVATIONS.

SUMMARIZED BY THE STANEARD 3-HOUR TIME GROUPS BY MONTH, WONTHLY AND ANYUALLY CALL YEARS COMBINEUD. PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND ORSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

CATA DERIVED FROM HOURLY OPSERVATIONS.

SEMMARIZED BY THE STANDARD 3-FOLK TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS C. MRINEDI.
PRESENTED AM. THE MEANS, STANDARD DEVIATIONS AND UNSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC SEA LEVEL PRESSURE IN MRS FROM HOURLY DRISERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 2755CC STATION NAME: ARKHANGELSK USSR

PERIOD OF MECURD: 77-67

. S T		MAL	FER	MAR	APH	MAY	JLN	JUL		cft	e c t	NOV	rec	ANN
10	101 095	30 C	15.497	1016.5 14.060 205	1013+5 9,936 291	1016.8 7.830 303	1011.5 6.879 292	1010.9 6.951 303	1011.6 7.330 304	1579.7 9.446 251	1309.7 11.714 226	14.526 293	15.416 307	1012.0 12.193 3555
3	F MLAN     SO    Tut obs	1010.1 15.705 100	101 ñ • 1 15 • 73 . 27 2	1016.4 14.23 302	1013.2 10.371 293	1016 • 8 8 • 326 304	1011.5 7.138 273	1 g 11 • g 7 • 1 8 8 3 G 6	1011.7 7.608 301	1357.6 9.646 289	10: 8+3 11+499 303	1007.6 14.390 292	1519.U 15.271 354	1011.9 12.323 3559
6	MEAN     SC    101 055	101C+1 15+997 298	1017.6 15.531 273	1016.4 14.146 363	1013+1 10+442 295	1016.9 8.209 299	1511.6 7.277 293	1511+2 7+274 304	1J11.5 7.724 299	1000.4 9.642 227	1008.4 11.935 29.4	10ŋ7.5 14.651 271	1018+7 15+052 298	1011.9 12,369 3539
9		1010.3 16.318 276	1017+7 15+247 25.5	1017.2 14.374 276	1013.2 10.893 270	1016.9 8.254 301	1011.6 7.378 291	1011.1 7.214 305	1011.5 7.766 301	1U~9.6 9.831 298	1003+1 12+2#7 2#2	1007.9 14.647 272	1019.5	1011.9 12.413 3471
2	MEAN     STO    TOT OBS	101g.5 16.11. 297	1019.3 15.357 279	1016.5 14.217 304	1013.4 10.523 297	1017.0 8.060 304	1011+4 7+234 295	1311.2 7.645 394	1011.4 7.725 300	1679.5 9.634 289	1018.7 12.037 293	1007.7 14.601 256	1019+1 15+295 3g6	1612+J 12+379 3553
ò	MEAN     Str    101 UHS	1610.5 16.090 202	1019.0 15.368 274	1616.5 14.152 303	1313.4 10.285 292	1016.8 7.867 299	1011+2 7+021 _97	1010.9 6.860 305	1011.4 7.469 307	1079.7 9.548 293	130a.3 11.928 302	1007.9 14.567 292	1069+1 15+404 301	1012.J 12.277 3567
,	MEAN     Sr       TOT 095	1010.4 15.59A 205	1018.2 15.113 272	1016.6 13.998 301	1013.2 10.029 292	1016.5 7.810 297	1011.2 6.855 292	101u+A 6-736 312	1011.4 7.303 299	1074.5 9.418 286	13(9+3 11+861 295	1007.9 14.578 293	10(9+1	1011+9 12+202 3534
ı	l MEAN I I SU I I TOT OASI	1010.5 15.579 201	1019.0 15.273 273	1016.7 13.483 523	1313.5 9.849 295	1016.8 7.583 305	1011 • J 6 • 884 292	1010.8 6.764 307	1011.3 7.466 304	1079.9 9.359 245		1007.7	13(8.7	1012.0 12.142 3577
LL.	MEAN !	1010.3		1610.0					1011.5 7.5%3 2415	1379.6	1008.7 11.911 2372			1011.9 12.285 28285

#### COPPLEMENTAL CATA SECTION OPECIAL CAVEAU PAG

- 2. GIVE PARTICULAR STREAMENT TO THE HOLES OF OPERATION PROVIDES AT SECTIVE, OF THE LA CO.
- 2. EXTREME OCCURRING UNITED SCHOOL-RATIONAL HOURS AND/OR LAYS WILL MET PERFECT IN THE COMMMETERS.
- 5. 24-Hora DECCEPTED & CONTROL SECURIA SECURIAL AND SHOW DEPTHS VALUET MAY AND REFERS AND CARROLD AMOUNTS.
- A. HICOGOST PRECIETATION AMOUNTS EGSENHING MERKINGS ABOVOR ECCIDARS EDSQUENTLY TERMEDIAT AMOUNTS MEASURES ECA-PENTORS GREATIN THAN NO MOUNT.
  - THE STATES CALADA MAN IN FOURS DO NOT TAKE INTO ACCOUNT ENGLANCES.
- 1. THIS GRANDED AMOUNT MAY, BUT MORE PRECUENTLY DOES NOT PROPERSING THE STANSARD CUTMATOLOGICAL CHARGES. "MITSIGHT TO MIDDLEHI" SMOUNT.
  - t. Completions of the Associations feed to further transfer the questionamility of these carmon embass.
- WE WORTHER AMOUNTS OF CHROTOPITATION CINCLEGIAN ENGAGED ARE NOT AS SEPTOUSLY AFFECTED AS THE 24-HOLD VALUES. FOR FORM, PURPORATION CONCLIMATIONS CAN CAUSE "Social AMOUNTS TO BE INCLUDED FOR ROM-UNERATIONAL PERIONS WHOSE THE VALUES ARE DURESTEVE ON THE LENGTH OF TIME OF THESE MON-OPERATIONAL PERIODS.
- THE TEMPERATURES SEMBARIC SERVESENT THE "HICH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND HISTORY TEMPERATURES.
- . SAFETAC WECKMEAUS THAT CORES OF FULL TIME PERIODS, WHEN AVAILABLE, BY ACCOMPANIED BY THE CAVIAT -- EXTREMES UNCORRESTED IN THE SE SUMMARIES.
- PRAIRLING TO BE COMMISSIONALLY DISTRIBUTION OF THE CIMITED OR PART TIME PEPIDD TO HETEUROLOGIST (TECNNICIENT), AND OF ACCOMPANITE BY THIS CAVEAT PAGE.

ALAC YAR TAL SALE SECTION -- SUMMARY OF DAY TATA

#### ATHOSOHSHIE PHENIMETA SHAMETY

- 1. A RESCRIBER FOR DESCRIPTION OF DRAFF COMMANY OF VANIOUS APPROPRIED PHENOMERS AND DESCRIPTIONS TO MISSISS.
- T. HATA BEGEN ON SHMMENY OF HAY HATE.
- T. SEMMARTINE BY MONTH WITH ALL HOUNS MID ALL YEARS COMPINED.

#### PRECENTATION, SNOWFALL AND SNOW DEPTH SEMMARLES

PERFECTAL FOR COUNCY OF VALLESS DAILY AMOUNTS OF PRECIPITATION ISSOCIATED. AND SUCA DISTON SOMMARIES:

THE SE COMMANDER TO STATE FROM SUMMARY OF LAY DATA.

TATE IS SUMPOWED, MONTHLY AND ANNUALLY WITH ALL YEARS COMMINGE.

DESTEASED AND DESCRIPT OF PARTS WITH MERCHARDE AMOUNTS, A PENCENT OF DAYS WITH TO EMPLOYES, TRACES, SIVEN AMOUNTS, MEAN'S COLUMBET AMOUNTS AND LUAST AMOUNTS (THE STATISTICAL VALUES ARE BUT INCLUMED IN THE SNOW THE FOLLOWING THE FOLLOWING AND LIMITED VALUES.

TENU PREVIOUS TWE THE RESERVATION COUNTS.

I WALLE OF THE THE TRANSPORT TABLES INDICATED LESS THAN 1994 WHICH UTUALLY INSTINTE ONLY ON OCCUPATIONS.

FARTHER LATER AND UNITED FOR CIRTIATION ESTONABLE AND SNOW STATE ESCHMARTES

CATE OFFICE OF AN OUMBERS OF DEEP DETE.

IN A STANCTOR THE EXPRESS DATLY AMOUNTS OF PRECIPITATION, SNOWFALL AND ABOUT OTHER OF TRUITIONAL MONTH AND YEAR.

THE REPORT OF THE ARCOUNT OF THE PERSON STANDARD REVIATIONS AND TOTAL DESERVATIONS COUNTS.

AN A TENTON MONTHART IN THE TROLES INDICATE THAT THE EXIDEM VALUE FOR THAT YERR AND MONTH CONTINUE FOR AN INCOMPREST, MONTH BALLERY DNE DNY OF THE PONTH IN MINISTED.

THE WAR EMPAREMENT MALLS CONSERVATIONS REPORTED BUT HE ECCUDRENCES, ZERON AND DESCRIPTION THE TAPLES:

THE ME LOTER AND CONTRACTORS ... "...." FRIENDLY NONE FOR THE MONTH CHIRCHELTHY

CONTROL STANDARY OF STANDARY S

THE PROPERTY OF A PROPERTY OF THE PROPERTY OF THE POST

TO THE MONTHEY AMOUNTS OF CONCEPTANTED AND SMONFALE SUMMADIES

THATA DERIVED FIRM SUMMARY OF DAY DATA.

DATE PRESENTE BY YEAR AND MONTH.

ALSO PPESENTER AR. THE MEANS, STANDARD CEVIATIONS AND TOTAL ORSERVATION COUNTS.

AN ACTIVITIES """ TO THE TABLES INDICATES THAT ONE OR MOSE DAYS WERE MICKING FOR THE MOSTER

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

TENTISTICAL VALUES OF MET INCLUDE MEASURFHENTS FROM INCOMPLETE MONTHS.

#### SURFACE WIND SUMMARIES

EXTERM SALING OF STAR STACK

WATE CENTER IN COMMENTS OF DAY DRIFT.

VALUE - PERSONAL DEVILOPMENT MONTH AND YEAR WITH ALL YEARS COMPONED.

CHIEF FRESHITTE IN KROTS.

 $v_{\rm A}$  is strained in the compass points from regioning of finite of record through jump 1964. Compassing and  $v_{\rm A}$  is rections presented in tens of orders.

#### THMPERATURE AND RELATIVE HUMILITY SUMMARIES

COMMITTIVE POLICINARY FROM TO SECTION OF ACCURATING OF SAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

STAIL CHIVE OF SUMMARY OF DAY DATA.

TINCENTABLE TAINENATIONS PROCENTED BY FROMEREE PARMENEET THOREMENTS PLUS OF MEAN, STANDARD DEVI-STATING THE TOTAL OFF WARTING COURT.

THE MEDITION TO BE ALSO INCLUDED A 33 PARREMETER DEGREE PROTERENT.

THE COURTY OF THE TOTAL SET OF THE PROPERTY AND COMPLET AND COMPLET.

AUSTROLIA CONTRA CONTRA CONTRACTOR MARTINES ATHRES CONTRACTOR ASTR TORSE.

The control of the co

THE OWN PARTMER W. MINIMER CALLS

ATTURBUSE FOR MISSEMANN FOR WITH

COLORS TO A TOTAL THE HELDHALL COCHESTE TOMPERATURE FOR THE MONTH FOR EACH VIVIA

Fig. suggests the arm of the state of a specific particles with the same dimensions mentioned at same  $\hat{x}$ 

So referrist to grate the packeters, wonth-

STATION NUMBER	1 22550		51/11CN	NAME:	# FK HANG F	LSK USSR				11810	D OF ALC	04D: 59-	71, 73-67
TEMPLEST	LAN	Ftt	MAR	APR	млч	JL N	JIL	AL G	21.6	ect	NOv	O.E.C	ANNUAL
ot 6 1	••••			• • • • • • • •		•••••		• • • • • • •	• • • • • • • •	<b>.</b>	*******	•••••	• • • • • • • • • • • • • • • • • • • •
CF + CT						٠ ٠	1.6	• *					• . ~
UE FT					. 1	3.3	10.5	2.5					1 - 4
64 771					3	11.4	26 • 6	1 C • F	. 4				9.4
5 7.1				- 1	6 • 5	23.5	42.9	22.5	2.0				- · ·
.1 651				• *-	12.4	37.9	61.4	35 • 7	5 • ←				: * • ^
(h + - + - 1				1.4	23.2	< 7 • 5	78.5	56.5	13.6	• ")			1
er cel				4.7	15.7	73.6	4C • I	76.4	72.0	1.0			20.00
Gt 1				15.2	F2.4	27.5	50 . i	72.6		1.4			* is a *
SI 451				70.9	67.7	°6.5	99.9	99.6	n 3 • 1	. 3 . 4	1 • •		41.3
Uf +14			4 . 1	37	92.3	98.9	100.0	100.0	74.0	5 b • 5	4 . C		45.6
#.# 4 °	. · ·	: · ·	22.1	61.5	96	100.0			29.3	67.3	72.2	3	8 to • 7
er i	1:-1	1 • 1	46.7	85.3	99.5				176.3	1.71 • 75	54.4	. 4 • 1	1, 1 . K.
94 .TI	`	22.7	66.0	90.3	100.0					95.1	71.5	4:	76.4
.d - 2"1	74.3	57.7	11.6	49.2						16.0	° ∪ • 1	* 4 . 1	F1.9
G 274	4 7	5	R 4	130.0							ан.н	6	n ! • 1
C. 1.1	57.4	69.4	95 • 2							1 ° C • J	93.48	7 t • ~	·1 • ?
nt 14	F-7 ⋅ 7	73	97.1								36 . 0	12.	47.7
(e) (i)	76.4	P 7	99.0								? ⊦ . 4	E8.2	\$ . " W
= - 1	h 2 . 4	92.	0.4.0								9.80	C2.7	· ' • 1
- 171	E F - 4	ر, د ، ,	1~6.0								33.6	46.0	• • • 3
	72.1	ç sı , u									33.0	50.5	96.1
1 ( - L )	56.3	C-3 * 1									100.0	44.0	\$0,K
63 - 251	- c •	0.3.										c9.3	43.8
ur - 1	:5.3	177.0										6 4 4 4	04.9
.,F = ? ↓	. 5 . 6											163.5	160.7
of -471	1 6.0												100.0
MF AN	11.5	14.3	20.4	37.4	51.0	61.7	67.5	61.9	· · · · · ·	77.3	27.5	18.2	36.9
* ii 4	16.127	12.640	9.479	8.560	11.196	15.157	9.287	9.043	7.797	7.751	10.025	13.577	21.736
TOTAL OF 1	755	پ ندرج	111	7.77	759	736	734	73'	697	673	677	713	et 75

TLOGAT CLIMATOLOGY REANCH USAFETAC AIR WEATHFR SERVICEAMAC CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPLOATICS.S FROM SUMMARY OF TAY TOATA

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BLOWAL CLIMATOLOGY BRANCH USAFCTAC AIR WEATHER SERVICEMMAC

## CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES FROM SUMMARY OF UAY DATA

AUNUA	UEC	NOW	0 C T	SEP	AUG	JUL	HUL	MAY	APR	MAR	Fţ;	-A.4	11 46 EE 11
	• • • • • • • • •	• • • • • • • •			• • • • • • •	.4	• • • • • • •	• • • • • • • •		••••••	• • • • • • • •	• • • • • • •	G£ 7 I
. 3					• 5	3.3	. 3						LT 451
2.2				. 1	6.3	15 . 7	3.8	• 1					6F 671
6.9				2.7	21.1	39 • 1	16.8	1.7					uf fig.
13.8			1.3	12.5	47.3	62.4	34.6	6.2					6E 2 J
71.4		- 1	4.3	71.3	70.C	79.8	53.8	15.3	- 1				br 441
29.1		1.0	12.4	53.4	87.3	94 . 1	69.3	27.9	. 9				ist. 4
38.8		6.2	31.4	78.6	97.€	59.3	87.5	50.6	11.4	400		• 3	CE 351
42.9	1.1	10.3	40.9	45.1	97.8	99.7	93.5	59.8	19.8	5.1	- 1	. 7	66 371
51.9	7.4	27.3	€5.5	24.1	29.5	100.0	96.0	78.3	35.4	13.5	1.5	1.9	65 (0)
61.2	19.4	48.3	80.1	79.1	100.0		100.0	94.3	53.6	26.6	5.7	7.2	51 2° 1
66.9	27.6	59.1	88.5	79.9				98.7	66.2	30.4	11. "	12.5	64. 201
73.7	41.2	71.2	95.1	100.0				99.9	79.2	51.4	24.7	22.1	6E 1 1
79.9	52.9	81.4	67.8					130.0	91.3	64.9	36.5	31.6	6F 101
84.4	£2.0	96.9	99.3						97.0	74.4	4 A . &	44.4	6E 51
87.9	70.3	01.3	99.9						9 % • 1	92.1	60.2	12.4	GE CI
5 D • 8	77.1	4.8	110.0						99.9	د . 87	71.5	55.1	UF −5
93.3	84.7	97.3							100.0	92.5	70.7	66. h	6i -! i
95.7	5 U • 7	99.0								30.5	85.5	7 E • 4	GE -151
97.4	55.7	99.6								90.7	03.6	P4.3	UE ~231
98.5	< 7 . 3									99.4	94.7	96.8	GF - 51
99.2	58.6	79.9								99.9	97.2	94.7	GE - 3.31
99.6	58.9	170.0								100.0	94.8	57.7	∪E -35}
99.9	49.6										100.0	75.7	6f - a - 1
100.0	110.0											1:0.0	GE -451
26.6	8.1	20.2	30.7	4ij <b>.</b> 5	48.4	51.7	45.1	35.6	23.9	13.3	2.4	••••••• •••	MEAN I
21.060	16.267	12.823	R • 686	7.214	7.395	7 -6 78	8.551	8.072	9.756	14.263	15 411	17.734	S L
8675	713	677	678	697	733	734	736	759	7.1.0	777	684	150	TOTAL OBS I

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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# CUMULATIVE PERCENTAGE OF OCCURRINGE OF MEAN TEMPERATURES FROM SUMMARY OF DAY DATA

STATION NUMBER: 225500 FERIOD OF RECORD: 59-71, 73-87 STATION NAME: ARKHANGELSK USSR LAN FEE MAR TEMPLEIL OCT NOV DEC 2.4 12.1 1.9 GF 751 1.4 4.9 13.1 17.0 GE E ! 11.3 1.4 5.3 13.2 25.3 29.3 53.8 72.9 89.0 12.9 12.9 10.6 59.7 93.6 60| 55| 50| 45| 26.6 48.4 64.7 2.4 9.7 26.8 52.9 76.7 UE LF 24.3 32.9 5.0 16.4 37.4 58.5 41.6 62.3 84.2 82.9 98.6 ьE 401 351 351 251 261 1.8 12.0 39.9 57.2 73.0 40.8 49.5 59.9 6F 95.8 100.G 4.3 11.7 22.7 34.5 46.8 54.5 77.2 . 7 6 · i 25 · 1 42 · 3 Uŧ 120.0 12.6 97.2 10.0 ٤E 3.4 100.0 11.6 23.9 77.9 89.2 95.7 16.6 68.0 75.8 76.1 99.6 GF 60.1 91.2 100.0 151 171 51 81.4 53.4 01.3 52.6 64.8 74.3 81.3 99.4 66.2 73.1 86.3 GΕ 99.7 93.1 υE 89.4 100.0 GF. GF 92.3 93.8 95.9 £0.6 GF -51 GF -131 GE -151 83.6 98.4 16.1 97.1 87.2 93.6 98.8 99.6 \$1.9 \$6.5 96.6 98.1 96.8 100.0 GE -251 GE -251 GE -251 GE -351 GE -471 98.3 72.1 96.8 99.7 98.9 99.4 95.6 98.5 100.0 98.1 93.7 59.2 59.9 99.9 95.5 100.0 MEAN | 5.2 8.5 Su | 16.691 13.996 13.3 33.0 53.7 8.714 736 43.6 6.983 759 24.1 11.217 20.4 46.3 6.987 34.6 7.984 31.1 13.99E 11.485 694 777 7.779 7.629 733 8.48C 737 Su 16.671 21.171 TOTAL ORS 150 734 697 678 677 713 8675

# GLOBAL CLIMATOLOGY BRANCH LSAFLTAC AIR WEATHER SERVICE/MAC EXTREME VALUES OF MAXIMUM TEMPFRATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 225500 STATION NAME: ARKHANGELSK USSR

PERIOD OF PECORD: 59-71, 73-87

						• • • • • • •					• • • • • • • •		
						MHOLE DE							
]							- N - T - H - S						ALL
YE AR	J AN	FEE	MAR	APR	MAY	JUN	JUL	AUG	4.6 12	OCT	NOV	133	MONTHS
59						• • • • • • • • •	• • • • • • • •		• • • • • • • • •	• • • • • • • •	*****	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
59 I	* 34 * 19	* 32 * 25	*41 *39	*57 *48	*59 *64	<b>+</b> 55 <b>★</b> 73	<b>•</b> 86	*79 *77	*57 *57	* 39 * 37	*36 *39	*23 *36	* P 6
61	* 16	* 34	*37	+40	*77	*62			*57		*45		-
62 I	# 10 # 34	* 34 * 34	*37 *36	*59	*68	*62 *72	*86 *79	*72 *73	*55 *55	*52 *50	*45	* 3 4 * 3 4	*86 *79
63	» 19	# 34 # ₹0	*27	*59	*77	*77	*84	*77	* 7 9	* 1 (	*45	* 3 t	* 9 4
64	• 17	• ?J	*21 *36	*55	*77	*82	*8 <b>4</b>	*86	*64	*45	*37	*39	*96
45	> 34	÷ 28	*37	*61	*59	*79	*75	*79	*77	*50	#41	* 3 4	<b>*</b> 79
46 1	v 19	14	*39	50	75	81	81	81	*61	55	41	37	81
67 (	+ 32	<b>♦</b> 52	46	57	66	77	81	88	72	59	48	25	9.8
6ê l	*23	• 34	*37	*46	<b>*64</b>	*81	#84	* 75	*66	50	*37	*32	*84
69 1	• 25	2 e	+37	*61	*54	68	<b>*86</b>	¥73	*66	50	39	34	*86
7.5	34	26	37	48	66	79	68	79	<b>*63</b>	52	*34	32	88
71	* ± 17	+ 32	39	46	64	73	•	. ,	-07		-3-	32	90
73 1	<b>*</b> 19	+ 32	*46	<b>*53</b>	<b>*</b> 75	*7A	*84	<b>•75</b>	<b>*</b> 53	+53	*39	<b>*</b> 3.7	*94
74 1	• 32	# 3.7	39	*46	*64	<b>*87</b>	<b>*91</b>	*77	<b>*73</b>	*52	*35	<b>*35</b>	<b>*91</b>
75 I	<b>∗</b> 29	37	+42	5.1	+73	<b>*77</b>	<b>*84</b>	*86	*69	+51	<b>*</b> 35	* 3 3	<b>*86</b>
76 I	¥ 2 3	<b>*</b> 35	39	*51	<b>*73</b>	*68	*8 D	<b>*75</b>	*62	• 42	+41	<b>* 35</b>	*8 O
77	* 23	<b>*23</b>	<b>\$39</b>	*63	*82	#81	*£8	86	70	<b>* 39</b>	*45	+ 3 Z	<b>*88</b>
7 E	• 32	<b>*</b> 25	*43	<b>*</b> 45	<b>*73</b>	84	79	<b>*</b> 79	64	45	<b>*39</b>	32	84
79 1	27	3.2	46	54	8 2	73	79	*77	66	5.3	36	34	8.2
An I	29	36	37	5.0	7 3	<b>*84</b>	84	*77	7.0	54	36	34	<b>*84</b>
P 1	37	27	*45	4 5	72	8.8	8 2	79	<b>*</b> 66	*61	34	+ 3 4	8 8
P2 1	# 29	34	*4C	5 5	77	<b>†73</b>	<b>*88</b>	73	6.9	46	4.3	37	488
63 <b> </b>	26	<b>• 35</b>	42	7.2	66	<b>*83</b>	84	79	64	49	4 1	<b>*39</b>	8 4
F4	23	34	36	47	*83	83	81	78	•65	49	4.2	35	<b>₽8</b> 3
45 1	27	+ 21	46	<b>*49</b>	69	8 1	<b>*81</b>	*82	72	<b>*53</b>	3 P	* 3 3	*8 2
96	34	+ 24	46	67	*64	81	*81	*81	*5°	47	#43	• 35	8 1
P7	• 30	* *3	*39	<b>#47</b>	*76	74	8 0	<b>*</b> 79	60				
NEAN 1	33.0	30.1	41.2	53.5	71.0	78.3	81.9	80.4	67.3	5:.5	39.8	32.6	• • • • • • • • • • • • • • • • • • • •
5.0. 1	4 . 0 71	7.097	4.119	8.372	5.831	5.987	2.767	4.719	4.123	3.089	4.104	3.468	
TOTAL 085 1	7.50	6.34	777	7 3 7	759	736	734	733	597	678	677	713	8675

NOTES \* (TASED ON LESS THAN FULL MONTHS)
# 141 LEAST ONL DAY LESS THAN 24 CBS)

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

# EXTREME VALUES OF MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 2355CC STATION NAME: ARKHANGELSK USSR

PERIOD OF RECORD: 59-71, 73-87

1						HOLE DEC -M-0-	- N - T - H - S						ALL
YEAR 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	cEb	0 C T	NOV	E E C	MONTH
59 I	* - 29	* 14	*-4	* * * * * * * * * * * * * * * * * * *	*34	*45	• • • • • • •	*46	*37	• • • • • • • • • • • • • • • • • • •	*15	*-11	• • • • • • • •
60 1	* - 20	* - 24	*-18	¥9	*27	<b>*39</b>	*54	*41	+ 34	*23	***	4-11	* <b>-</b> 2
61 1	* - 17	*1	¥7	* 9	*14	*45	*45	*45	*36	* 37	*-17	*-18	* - 1
62	* - 17	*-4	* - C	*14	*28	<b>*</b> 36	*43	+39	• 3 7	*12	*16	+-13	* -1
63	* - 24	*-17	*-24	* 3	*34	+32	*41	+39	+ 34	• 25	±-8	<b>*-18</b>	*-2
64 1	• - 18	*-11	*-17	*1	*21	+32	+45	<b>◆39</b>	• 3 2	±28	* <b>-</b> 26	*-26	*-5
65 1	<b>*</b> - 24	* <b>-</b> 26	*-8	*0	*19	*32	<b>*39</b>	±32	* 34	•19	*~13	*-5	4-2
56 1	<b>* -</b> 25	- 40	*-2C	-6	21	30	34	28	•17	3	21	-18	-4
67 1	<b>* - 28</b>	* - 16	7	21	25	28	36	46	32	25		-19	+-3
68	# = 3a	<b>*</b> -4	*-6	**2	*23	*32	+34	<b>*</b> 36	*27		*-33	•-40	4
69	*-23	- 33	*-15	* ÿ	*16	27	+37	*30	*2°	19	10	-24	* <b>- 3</b>
70	- 21	-15	1	3	23	30	4 3	32	*32	25	*-8	-8	- 3
71	<b>*</b> - 17	* - 27	-29	5	21	32		3.2	,,,		· ·		-
73 I	<b>*</b> - 27	* - 17	*-1C	*12	*3C	*33	*35	<b>*</b> 37	• 2 1	•19	*~10	- 26	
74	<b>*</b> - 26	<b>* - 1</b> 2	13	*12	<b>*19</b>	<b>*35</b>	*44	+39	+32	+17	+-10	*17	* <b>-</b> 2
75	* - 22	- 22	+-15	2 1	<b>*32</b>	*33	*35	+35	* 3 Z	=14	+10	*-4	* - 2
76	* - Z4	<b>* - 33</b>	-21	*14	*24	*28	+39	<b>*35</b>	*29	•6	+-1	<b>*</b> - 1	* - 3
77	* = 33	* - 24	#-19	<b>*</b> 3	*21	<b>*32</b>	*36	37	25	• 7	+18	<b>*-29</b>	<b>+</b> − 3
76 l	* - 26	<b>* -</b> 22	<b>*</b> − 2 0	* - 4	*21	2.8	34	<b>*39</b>	28	2.3	*~11	-45	-4
79	- 45	- 36	- 3 1	1	27	28	39	<b>*</b> 32	28	0	9	-11	-4
85	- 35	- 2.	-17	7	19	<b>*</b> 30	32	<b>*28</b>	25	10	~18	-11	- 3
21 1	- 20	-6	*-29	7	23	27	41	39	<b>⇒</b> 36	<b>*25</b>	19	<b>*-18</b>	•-2
82 1	# - 40	- 14	<b>*-11</b>	14	26	*29	#4 3	32	26	7	4	-14	4
83	- 15	× - 14	-17	12	26	<b>*29</b>	38	34	3 C	17	- 2	<b>*-19</b>	·-1
P.4	- 13	-1	-12	1	<b>*24</b>	29	4.2	29	*2 <b>7</b>	6	-18	-10	- 1
35	- 42	<b>* -</b> 39	-6	* - 4	24	29	*35	+34	31	* 1 C	-14	<b>*-29</b>	-4
86	- 29	* - 37	-10	9	+17	34	*32	* 3 Q	*23	25	*19	<b>*-32</b>	<b>*-3</b>
87 [	* - 42	<b>* - 23</b>	+-17	* 3	*27	31	39	*37	24			•	
MEAN I	-29.1	-20.8	-11.4	8.1	23.5	29.4	37.8	34.6	27.7	13.2	2.0	-17.7	• • • • • • • • •
5 • O • I	11.564	13.424	13.530	8.404	2.593	2.109	3.706	5.902	2.972	10.321	14.484	11.413	
085	7.50	684	777	737	759	736	734	733	697	678	677	713	867

NOTES \* (BASED ON LESS THAN FULL MONTHS)
# (AT LEAST ONE DAY LESS THAN 24 085)

# END DATE LAMED ASSOCIATION CONTRIBUTION